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FOR THE FISCAL YEAR ENDED JUNE 30, 1960

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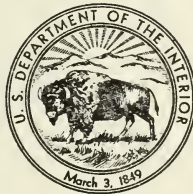
TO THE

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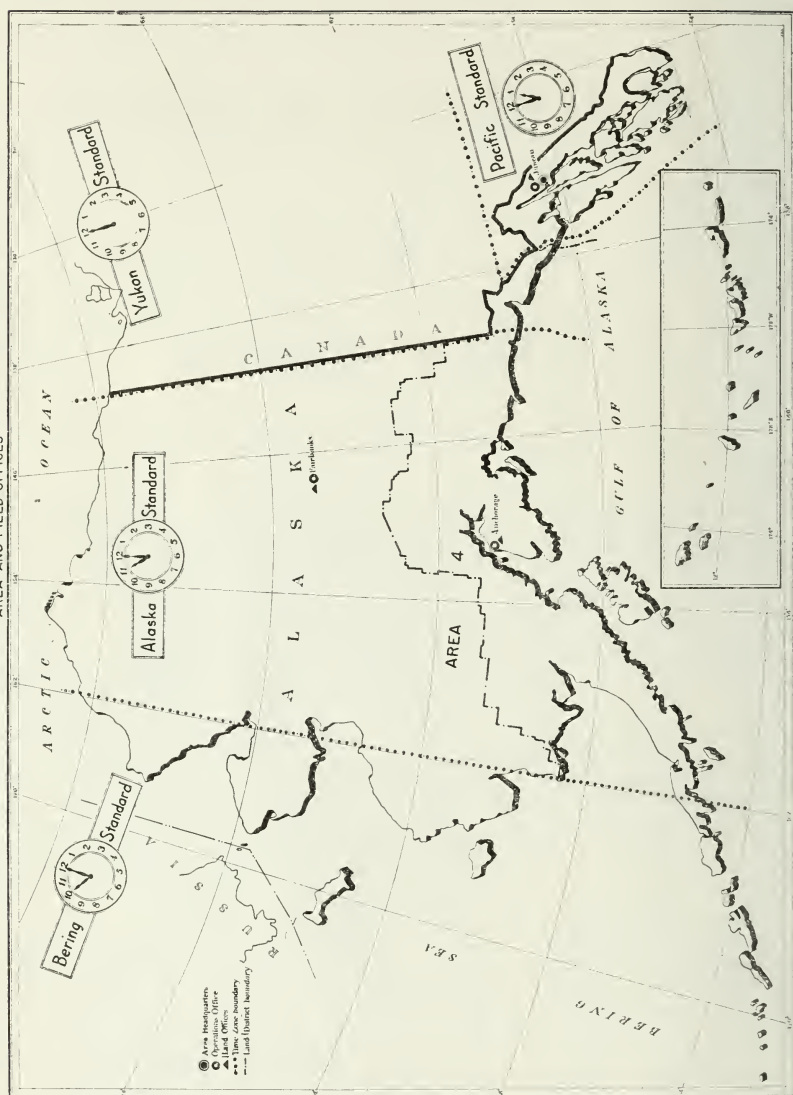
SECRETARY OF THE INTERIOR



FOR THE FISCAL YEAR ENDED

JUNE 30, 1960

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA AND FIELD OFFICES



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PART 1

THE FEDERAL LANDS

Subsequent to Alaska and Hawaii statehood, the gross area of the United States is 2.3 billion acres. Less than 2 percent of this is inland water surface (Table 1). Various Federal departments, agencies or commissions hold title to about 771 million acres or about 34 percent of this gross area (Table 7).

The Bureau of Land Management has exclusive responsibilities for about 62 percent or 477 million acres of federally owned lands (T. 11). More than half of this area is in the State of Alaska.

Other major land holding agencies in the Department of Interior include the National Park Service, Fish and Wildlife Service, and Bureau of Reclamation. The Forest Service, U.S. Department of Agriculture, has jurisdiction over 24 percent of the total federally owned land.

During United States history the Federal Government has, at various times, held title to about four-fifths of the Nation's gross area. Up to the present, title to approximately 1.1 billion acres had been transferred to individual citizens, businesses and non-Federal governmental organizations under Federal legal authority generally referred to as the "land laws". Substantial portions, amounting to 287 million acres, were removed from Federal ownership by authority of the Homestead Laws. Another 329 million acres were granted to States to help support public schools, develop transportation systems, and for general economic development (T. 4).

Less than 1 percent of the land now under Government ownership was obtained through purchase, condemnation, gift or exchange. Having been acquired in this manner, it is referred to as "acquired lands".

In western Oregon an area of 2.6 million acres comprise the O&C lands. Originally public domain, this acreage was reconveyed and revested to the United States from grants made to private concerns to construct the Oregon and California Railroad and the Coos Bay Military Wagon Road.

DEFINITIONS OF TERMS

Acquired land:

Land in Federal ownership which are not public lands. Acquired lands were obtained by the Government through purchase, condemnation or gift, or by exchange for purchased, condemned or donated lands, or for timber on such lands.

Disposition:

A transaction which leads to the transfer of title of public lands, and/or resources upon or in these lands, from the Federal Government.

Inland water area:

Includes permanent inland water surface, such as lakes, ponds, and reservoirs, having 40 acres or more of area; streams, sloughs, estuaries, and canals $\frac{1}{8}$ of a statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands, or islands separated by less than one nautical mile of water, and islands having less than 40 acres of area.

Land area:

Includes dry land and land temporarily or partially covered by water, such as marsh land, swamps and river flood plains; streams, sloughs, estuaries, and canals less than $\frac{1}{8}$ of a statute mile in width; and lakes, reservoirs, and ponds having less than 40 acres of water surface area.

National forest:

A designated area of reserved Federal land, set aside for timber, watershed or a variety of purposes determined by the natural resource values involved, and administered and managed by the Forest Service in the U.S. Department of Agriculture.

O&C lands:

Public lands in western Oregon which were granted to the Oregon Central railroad companies (later the Oregon and California Railroad Company) to aid in the construction of railroads, but which were later forfeited and returned to the Federal Government by revestment of title. The term "O&C lands" as often used includes reference also to the reconveyed Coos Bay Military Wagon Road lands, which are public lands in western Oregon that were once granted to the State of Oregon to aid in the construction of the Coos Bay Military Wagon Road, but were later forfeited and returned to Federal ownership by reconveyance.

TABLE 1.—Areas of States, 1960

Area	State	Area					
		Land		Inland water		Total	
		<i>Square miles</i>	<i>Acres</i>	<i>Square miles</i>	<i>Acres</i>	<i>Square miles</i>	<i>Acres</i>
1	California.....	156,573	100,206,720	2,120	1,356,800	158,693	101,563,520
	Oregon.....	96,248	61,598,720	733	469,120	96,981	62,067,840
	Washington.....	66,709	42,693,760	1,483	949,120	68,192	43,642,880
	Total Area 1.....	319,530	204,499,200	4,336	2,775,040	323,866	207,274,240
2	Arizona.....	113,575	72,688,000	334	213,760	113,909	72,901,760
	Idaho.....	82,708	52,933,120	849	543,360	83,557	53,476,480
	Nevada.....	109,788	70,264,320	752	481,280	110,540	70,745,600
	Utah.....	82,339	52,696,960	2,577	1,649,280	84,916	54,346,240
	Total Area 2.....	388,410	248,582,400	4,512	2,887,680	392,922	251,470,080
3	Colorado.....	103,884	66,485,760	363	232,320	104,247	66,718,080
	Kansas.....	82,048	52,510,720	216	138,240	82,264	52,648,960
	Montana.....	145,736	93,271,040	1,402	897,280	147,138	94,168,320
	Nebraska.....	76,612	49,031,680	615	393,600	77,227	49,425,280
	New Mexico.....	121,510	77,766,400	156	99,840	121,666	77,866,240
	North Dakota.....	69,457	44,452,480	1,208	773,120	70,665	45,225,600
	Oklahoma.....	68,887	44,087,680	1,032	660,480	69,919	44,748,160
	South Dakota.....	76,378	48,881,920	669	428,160	77,047	49,310,080
	Texas.....	262,840	168,217,600	4,499	2,879,360	267,339	171,096,960
	Wyoming.....	97,411	62,343,040	503	321,920	97,914	62,664,960
	Total Area 3.....	1,104,763	707,048,320	10,663	6,824,320	1,115,426	713,872,640
4	Alaska.....	571,065	365,481,600	15,335	9,814,400	586,400	375,296,000
	Eastern States Office:						
	Alabama.....	51,060	32,678,400	549	351,360	51,609	33,029,760
	Arkansas.....	52,499	33,599,360	605	387,200	53,104	33,986,560
	Connecticut.....	4,899	3,135,360	110	70,400	5,009	3,205,760
	Delaware.....	1,978	1,265,920	79	50,560	2,057	1,316,480
	District of Columbia.....	61	39,040	8	5,120	69	44,160
	Florida.....	54,252	34,721,280	4,308	2,757,120	58,560	37,478,400
	Georgia.....	58,274	37,295,360	602	385,280	58,876	37,680,640
	Illinois.....	55,930	35,795,200	470	300,800	56,400	36,096,000
	Indiana.....	36,185	23,158,400	106	67,840	36,291	23,226,240
	Iowa.....	56,032	35,860,480	258	165,120	56,290	36,025,600
	Kentucky.....	39,863	25,512,320	532	340,480	40,395	25,852,800
	Louisiana.....	45,106	28,867,840	3,417	2,186,880	48,523	31,054,720
	Maine.....	31,012	19,847,680	2,203	1,409,920	33,215	21,257,600
	Maryland.....	9,874	6,319,360	703	449,920	10,577	6,769,280
	Massachusetts.....	7,867	5,034,880	390	249,600	8,257	5,284,480
	Michigan.....	57,019	36,492,160	1,197	766,080	58,216	37,258,240
	Minnesota.....	80,069	51,205,760	4,059	2,597,760	84,068	53,880,520
	Mississippi.....	47,223	30,222,720	493	315,520	47,716	30,538,240
	Missouri.....	69,138	44,248,320	548	350,720	69,686	44,599,040
	New Hampshire.....	9,014	5,768,960	290	185,600	9,304	5,954,560
	New Jersey.....	7,521	4,813,440	315	201,600	7,836	5,015,040
	New York.....	47,939	30,680,960	1,637	1,047,680	49,576	31,728,640
	North Carolina.....	49,067	31,402,880	3,645	2,332,800	52,712	33,735,680
	Ohio.....	40,972	26,222,080	250	160,000	41,222	26,382,080
	Pennsylvania.....	45,007	28,804,480	326	208,640	45,333	29,013,120
	Rhode Island.....	1,058	677,120	156	99,840	1,214	776,960
	South Carolina.....	30,272	19,374,080	783	501,120	31,055	19,875,200
	Tennessee.....	41,762	26,727,680	482	308,480	42,244	27,036,160
	Vermont.....	9,276	5,936,640	333	213,120	9,609	6,149,760
	Virginia.....	39,780	25,459,200	1,035	662,400	40,815	26,121,600
	West Virginia.....	24,079	15,410,560	102	65,280	24,181	15,475,840
	Wisconsin.....	54,705	35,011,200	1,449	927,360	56,154	35,938,560
	Total Eastern States Office.....	1,158,733	741,589,120	31,440	20,121,600	1,190,173	761,710,720
	Hawaii.....	6,412	4,103,680	9	5,760	6,421	4,109,440
	Total.....	3,548,913	2,271,304,320	66,295	42,428,800	3,615,208	2,313,733,120

Source: Bureau of the Census, U.S. Department of Commerce, from the 1960 decennial census.

TABLE 2.—*Acquisition of the public domain, 1781-1867*

Acquisition	Area			Cost ¹
	Land	Water	Total	
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	
State cessions (1781-1802)-----	233, 415, 680	3, 409, 920	236, 825, 600	² \$6, 200, 000
Louisiana Purchase (1803) ³ -----	523, 446, 400	6, 465, 280	529, 911, 680	23, 213, 568
Red River Basin ⁴ -----	29, 066, 880	535, 040	29, 601, 920	
Cession from Spain (1819)-----	43, 342, 720	2, 801, 920	46, 144, 640	6, 674, 057
Oregon Compromise (1846)-----	180, 644, 480	2, 741, 760	183, 386, 240	
Mexican Cession (1848)-----	334, 479, 360	4, 201, 600	338, 680, 960	16, 295, 149
Purchase from Texas (1850)-----	78, 842, 880	83, 840	78, 926, 720	15, 496, 448
Gadsden Purchase (1853)-----	18, 961, 920	26, 880	18, 988, 800	10, 000, 000
Alaska Purchase (1867)-----	365, 481, 600	9, 814, 400	375, 296, 000	7, 200, 000
Total public domain-----	1, 807, 681, 920	30, 080, 640	1, 837, 762, 560	85, 079, 222

¹ Cost data for all except "State Cessions" obtained from: Geological Survey, *Boundaries, Areas, Geographic Centers* . . . (Washington, U.S. Government Printing Office, 1939), pp. 249-251.

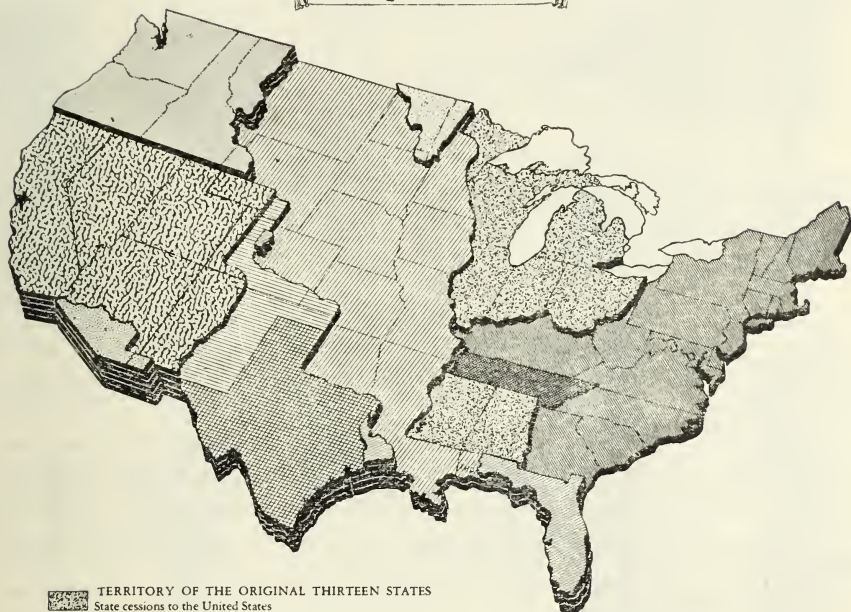
² Georgia Cession, 1802 (56,689,920 acres). See: Donaldson, Thomas, *The Public Domain, Its History, with Statistics* (Washington, U.S. Government Printing Office, 1884), p. 11.

³ Excludes areas eliminated by Treaty of 1819 with Spain.

⁴ Basin of the Red River of the North, south of the 49th parallel.

NOTE.—All areas except Alaska were computed in 1912, and have not been adjusted for the recomputation of the area of the United States which was made for the 1950 decennial census. Source: U.S. Department of the Interior, Office of the Secretary, *Areas of Acquisitions to the Territory of the United States* . . . (Washington, U.S. Government Printing Office, 1922).

ACQUISITIONS

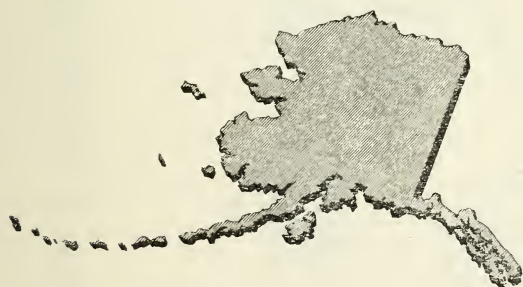


TERRITORY OF THE ORIGINAL THIRTEEN STATES
 State cessions to the United States
 North Carolina cession to the United States 1790
 United States cession to Tennessee, 1806 and 1846
 The Original Thirteen States (present area) plus the District of Columbia

TERRITORY OF THE REPUBLIC OF TEXAS
 (Annexation of Texas, 1845)
 United States purchase from Texas 1850
 State of Texas (present area)

OTHER ACQUISITIONS BY THE UNITED STATES

Louisiana purchase from France 1803
 Basin of the Red River of the North
 Treaty with Spain (cession of Florida and adjustment of claims) 1819
 Oregon Compromise with Great Britain 1846
 Cession from Mexico 1848
 Gadsden Purchase from Mexico 1853



ALASKA
 Purchased from Russia March 30, 1867

TABLE 3.—*Disposition of public lands, 1781 to present*

Type of disposition	Acres
Disposition by methods not elsewhere classified ¹	300, 200, 000
Granted or sold to homesteaders ²	287, 000, 000
Granted to States for:	
Support of common schools.....	77, 600, 000
Reclamation of swamp land.....	64, 900, 000
Construction of railroads.....	37, 100, 000
Support of miscellaneous institutions ³	21, 700, 000
Purposes not elsewhere classified ⁴	117, 700, 000
Construction of canals.....	4, 600, 000
Construction of wagon roads.....	3, 300, 000
Improvement of rivers.....	1, 500, 000
Total granted to States.....	328, 400, 000
Granted to railroad corporations.....	91, 300, 000
Granted to veterans as military bounties.....	61, 000, 000
Confirmed as private land claims ⁵	34, 000, 000
Sold under timber and stone law ⁶	13, 900, 000
Granted or sold under timber culture law ⁷	10, 900, 000
Sold under desert land law ⁸	10, 000, 000
Grand total.....	1, 136, 700, 000

¹ Chiefly public, private, and preemption sales, but includes mineral entries, scrip locations, sales of townsites and townlots.

² The homestead laws generally provide for the granting of lands to homesteaders who settle upon and improve vacant agricultural public lands. Payment for the land is sometimes permitted, or required, under certain conditions.

³ Universities, hospitals, asylums, etc.

⁴ For construction of various public improvement (individual items not specified in the granting acts), reclamation of desert lands, construction of water reservoirs, etc.

⁵ The Government has confirmed title to lands claimed under valid grants made by foreign governments prior to the acquisition of the public domain by the United States.

⁶ The timber and stone laws provided for the sale of lands valuable for timber or stone and unfit for cultivation.

⁷ The timber culture laws provided for the granting of public lands to settlers on condition that they plant and cultivate trees on the lands granted. Payment for the lands was permitted under certain conditions.

⁸ The desert land laws provide for the sale of arid agricultural public lands to settlers who irrigate them and bring them under cultivation.

NOTE.—Data are estimated from available records.

Disposition of the Public Domain - 1785 to Present

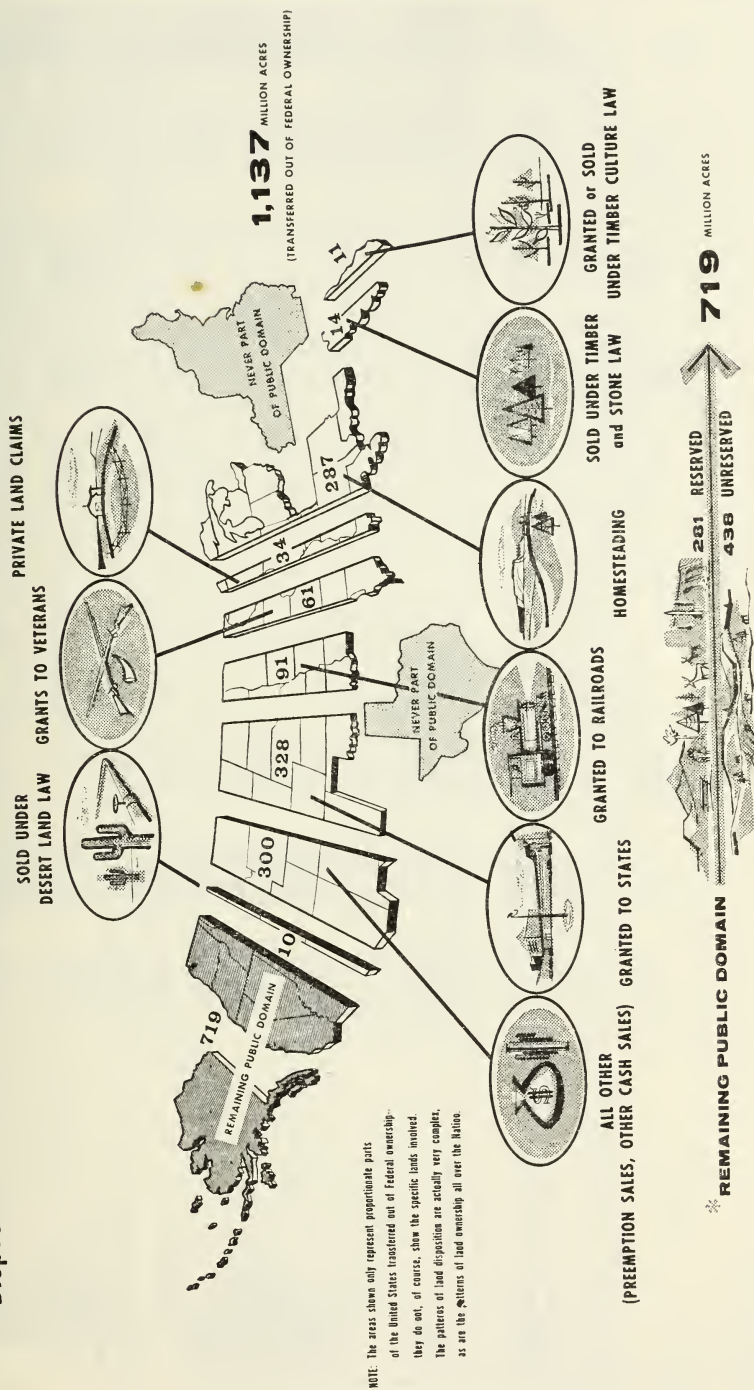


TABLE 4.—*Grants to States, 1863 to present*

Area	State	Purpose								Total
		Common schools	Other schools	Other institutions	Railroads	Wagon roads	Canals and rivers	Miscellaneous improvements (not specified)	Swamp reclamation		Other purposes
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
1	California.....	5,534,687	199,205	-----	410	-----	-----	500,000	2,192,915	400,768
	Oregon.....	3,309,330	133,165	-----	-----	2,583,890	-----	500,000	286,108	127,324
	Washington.....	2,376,331	333,080	200,000	-----	-----	-----	-----	-----	132,000
	Total Area 1.....	11,310,438	671,450	200,000	410	2,583,890	-----	1,000,000	2,479,023	660,092
2	Arizona.....	8,073,155	849,197	500,000	1,048	-----	-----	-----	-----	1,101,400
	Idaho.....	2,903,686	333,686	250,000	-----	-----	-----	-----	-----	654,054
	Nevada.....	2,001,907	131,030	12,800	-----	-----	-----	500,440	-----	14,379
	Utah.....	5,844,195	553,141	500,100	-----	-----	-----	-----	-----	601,240
	Total Area 2.....	18,933,017	1,923,104	1,252,960	1,048	-----	-----	500,440	-----	2,371,083
3	Colorado.....	3,685,618	138,040	32,000	-----	-----	-----	500,000	-----	115,946
	Kansas.....	2,907,520	151,269	100,000	4,176,329	-----	-----	500,000	-----	59,423
	Montana.....	5,193,253	338,721	100,000	80	-----	-----	-----	-----	276,359
	Nebraska.....	2,730,951	136,080	32,000	-----	-----	100,000	500,000	-----	59,680
	New Mexico.....	8,711,324	1,347,224	750,000	-----	-----	-----	-----	-----	1,886,789
	North Dakota.....	2,495,396	336,080	250,000	-----	-----	-----	-----	-----	82,076
	Oklahoma.....	1,375,000	1,050,000	670,700	-----	-----	-----	-----	-----	3,096,760
	South Dakota.....	2,733,084	366,080	250,640	-----	-----	-----	-----	-----	85,569
	Texas.....	3,470,009	180,000	420,000	-----	-----	-----	-----	-----	180,000
	Wyoming.....	-----	136,030	-----	-----	-----	-----	-----	-----	316,431
	Total Area 3.....	33,337,160	4,229,574	2,505,527	4,176,409	-----	100,000	1,500,000	2,882,273	48,700,943
4	Alaska.....	118,284	226,682	1,000,000	-----	-----	-----	-----	-----	103,350,000
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
4	Eastern States Office:	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Alabama.....	911,627	383,785	181	2,747,479	-----	400,016	97,469	441,686	24,660
	Arkansas.....	933,778	196,080	-----	2,533,721	-----	-----	500,000	7,686,575	56,680
	Connecticut.....	-----	180,000	-----	-----	-----	-----	-----	-----	-----
	Delaware.....	-----	90,000	-----	-----	-----	-----	-----	-----	-----
	Florida.....	975,347	182,160	-----	2,218,705	-----	-----	500,000	20,325,013	5,120
	Georgia.....	-----	270,000	-----	-----	-----	-----	-----	-----	-----
	Illinois.....	996,320	523,080	-----	2,595,133	-----	324,283	209,086	1,450,164	123,589
	Indiana.....	668,578	436,080	-----	170,580	-----	1,480,409	-----	1,259,271	25,600
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Iowa.....	1,000,679	286,080	24,806	4,706,945	321,342	500,000	1,196,392	49,824	8,061,202
Kentucky.....	330,000	330,000	---	---	---	---	---	---	354,606
Louisiana.....	807,451	256,222	---	373,057	---	500,000	9,496,174	---	11,432,974
Maine.....	---	210,000	---	---	---	---	---	---	210,000
Maryland.....	---	210,000	---	---	---	---	---	---	390,000
Massachusetts.....	---	360,000	---	---	---	---	---	---	12,143,844
Michigan.....	1,021,867	286,080	---	3,134,058	221,013	500,000	5,680,310	49,280	16,421,963
Minnesota.....	2,874,981	212,160	---	28,047,469	1,251,296	500,000	4,706,503	80,880	6,097,094
Mississippi.....	824,213	348,240	---	1,075,345	---	500,000	3,348,043	1,253	7,417,022
Missouri.....	---	376,080	---	1,837,968	---	500,000	3,432,521	48,640	150,000
New Hampshire.....	1,221,813	150,000	---	---	---	---	---	---	210,000
New Jersey.....	---	210,000	---	---	---	---	---	---	990,000
New York.....	---	690,000	---	---	---	---	---	---	270,000
North Carolina.....	---	270,000	---	---	---	---	---	---	2,758,862
Ohio.....	724,266	693,126	---	---	80,774	1,204,114	26,372	24,216	780,000
Pennsylvania.....	---	780,000	---	---	---	---	---	---	120,000
Rhode Island.....	---	120,000	---	---	---	---	---	---	180,000
South Carolina.....	---	180,000	---	---	---	---	---	---	300,000
Tennessee.....	---	300,000	---	---	---	---	---	---	150,000
Vermont.....	---	150,000	---	---	---	---	---	---	300,000
Virginia.....	---	300,000	---	---	---	---	---	---	150,000
West Virginia.....	---	150,000	---	---	---	---	---	---	10,179,746
Wisconsin.....	982,418	332,169	---	3,632,322	302,931	500,000	3,301,166	26,400	131,212,638
Total Eastern States office.....	13,942,999	9,770,397	24,787	32,932,202	775,298	4,806,555	62,420,170	516,142	---
Hawaii.....	---	---	---	---	---	---	---	---	---
Total United States.....	77,712,237	16,826,207	34,993,274	37,130,069	4,610,374	7,806,995	64,899,193	100,779,590	328,610,502

¹ Estimate.² Includes not more than 65,000 acres of land in Montana, North Dakota and Washington which were selected by a grantee of the State of Minnesota.³ Includes acreage of grants for "educational and charitable" purposes as follows: Idaho, 150,000; North Dakota, 170,000; Washington, 200,000. Includes 669,000 acres granted to Oklahoma for charitable, penal and public building purposes and 290,000 acres granted to Wyoming for charitable, penal, educational and other institutions.⁴ Acreage grants for river improvement projects as follows: Alabama, 400,016; Iowa, 321,342; New Mexico, 100,000; Wisconsin, 683,722. Grants for canals, 4,598,669 acres.

NOTE: For additional information concerning these grants, see the Report of the Director, 1947 Statistical Appendix, pages 118-135; 1948, page 59; 1949, page 59; 1950, page 58; 1951, page 61; 1952, page 61; 1953, page 55; 1955, page 57; 1956, page 59; 1957, page 60; 1958, page 6; 1959, page 8; 1960, table 5.

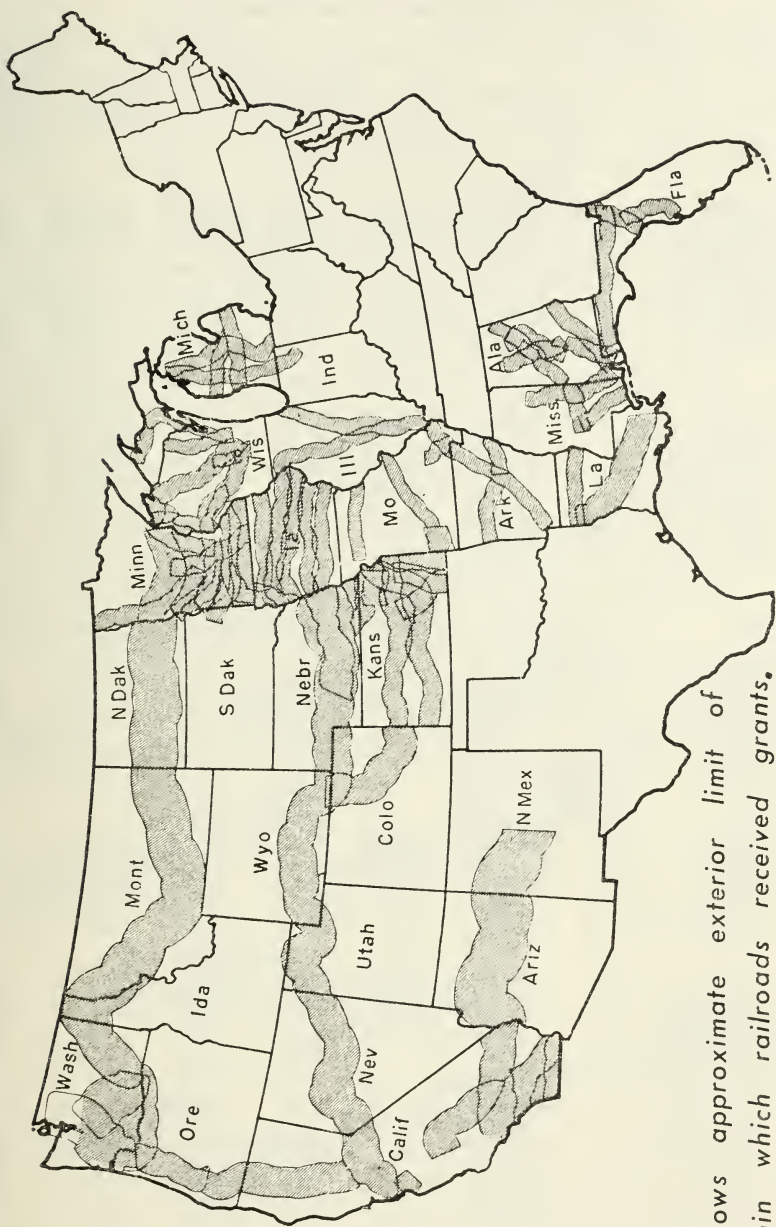
TABLE 5.—*Grant lands confirmed to States in 1960*

Area	State	School land indemnity	Swamp grants	Other grants	Total
		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	California.....	7,434.40	393.48		7,827.88
	Oregon.....	2,587.18			2,587.18
	Washington.....	19,716.40		¹ 3,124.62	22,841.02
	Total Area 1.....	29,737.98	393.48	3,124.62	33,256.08
2	Arizona.....	47,345.14			47,345.14
3	New Mexico.....	3.00			3.00
4	Alaska.....			² 38,284.32	38,284.32
	Eastern States Office:				
	Florida.....		40.00		40.00
	Louisiana.....		180.34		180.34
	Minnesota.....		30.33		30.33
	Mississippi.....	40.01			40.01
	Wisconsin.....	17.15	89.16		106.31
	Total Eastern States Office.....	57.16	339.83		396.99
	Grand total.....	³ 77,143.28	⁴ 733.31	41,408.94	119,285.53

¹ Agricultural college grant, certified.² 3 grants for general purposes (36,956.98 acres) and 1 unreserved land community (1,085.44 acres), both under the Act of July 7, 1958 (72 Stat. 339); patented. ⁴ mental health (241.90 acres), Act of July 28, 1956 (70 Stat. 711), patented.³ Certified.⁴ Swamp land grants, Act of September 28, 1850 (9 Stat. 519), patented.TABLE 6.—*Grants to railroads, 1850 to present*

Area	State	Acres
1	California.....	11,588,242.55
	Oregon.....	¹ 3,656,085.50
	Washington.....	9,613,882.40
	Total Area 1.....	24,858,210.45
2	Arizona.....	7,789,798.20
	Idaho.....	1,320,753.67
	Nevada.....	5,086,603.65
	Utah.....	2,230,085.01
	Total Area 2.....	16,427,240.53
3	Colorado.....	3,757,673.39
	Kansas.....	4,057,683.78
	Montana.....	14,739,697.12
	Nebraska.....	7,272,623.25
	New Mexico.....	3,355,179.07
	North Dakota.....	10,697,490.35
	Wyoming.....	5,749,051.12
	Total Area 3.....	49,629,398.08
	Eastern States office:	
	Arkansas.....	23,249.94
	Iowa.....	4,383.11
	Louisiana.....	1,001,943.40
	Minnesota.....	1,905,559.14
	Missouri.....	490,705.87
	Wisconsin.....	13,737.94
	Total Eastern States office.....	3,439,581.40
	Grand total.....	94,354,430.46

¹ Includes O&C acreage, title to which was reverted in the United States by the Act of June 9, 1916 (39 Stat. 218).



Shading shows approximate exterior limit of areas within which railroads received grants.

Figure 5

TABLE 7.—Area of federally owned land, 1959

Area	State	Total land area	Acreage owned by the Federal Government ¹			Acreage not owned by Federal Government	Percent owned by Federal Government
			Public domain	Acquired land	Total		
1	California.....	<i>Acre</i> 100,313,600	42,967,539	2,103,360	45,070,899	55,242,701	44.9
	Oregon.....	61,641,600	30,614,410	965,587	31,579,997	30,061,603	51.2
	Washington.....	42,743,040	11,236,018	1,430,016	12,666,034	30,077,006	29.6
	Total Area 1.....	204,698,240	84,817,967	4,498,963	89,316,930	115,381,310	43.6
2	Arizona.....	72,688,000	32,099,798	295,814	32,395,612	40,202,388	44.6
	Idaho.....	82,972,160	33,323,789	726,179	34,049,968	18,922,192	64.2
	Nevada.....	70,264,960	60,507,675	218,661	60,726,336	9,538,624	86.4
	Utah.....	52,701,440	36,044,316	421,360	36,465,676	16,235,764	69.1
	Total Area 2.....	248,626,560	161,975,578	1,662,014	163,637,592	84,988,968	65.8
3	Colorado.....	66,510,080	23,212,366	943,658	24,156,024	42,354,056	36.3
	Kansas.....	52,549,120	26,901	327,061	353,962	52,195,158	.7
	Montana.....	93,361,920	25,359,214	2,455,533	27,814,747	65,547,173	29.7
	Nebraska.....	49,064,320	250,816	446,663	697,479	48,366,841	1.4
	New Mexico.....	77,767,040	26,032,112	1,267,777	27,299,889	50,467,151	35.1
	North Dakota.....	44,836,480	211,546	1,728,249	1,939,795	42,896,685	4.3
	Oklahoma.....	44,179,840	166,176	912,574	1,078,750	43,101,090	2.4
	South Dakota.....	48,983,040	1,597,648	1,719,846	3,317,494	45,665,546	6.8
	Texas.....	168,648,320	2,639,692	2,639,692	5,279,384	166,008,718	1.5
	Wyoming.....	62,403,840	29,536,836	682,080	30,218,916	32,184,924	48.4
	Total Area 3.....	708,304,000	106,393,615	13,123,043	119,516,658	588,787,342	16.8
4	Alaska.....	367,731,069	364,439,732	3,571	364,443,293	3,287,766	99.1
	Eastern States Office:						
	Alabama.....	32,689,920	64,941	1,000,570	1,065,511	31,624,409	3.3
	Arkansas.....	33,712,000	1,073,169	1,917,337	2,990,506	30,721,494	8.9
	Connecticut.....	3,135,360		5,306	5,306	3,130,054	.2
	Delaware.....	1,265,920		31,466	31,466	1,234,454	2.5
	District of Columbia.....	39,040		11,244	11,244	27,796	28.8
	Florida.....	34,727,680	325,305	2,950,103	3,275,408	31,452,272	9.4
	Georgia.....	37,429,120		2,021,457	2,021,457	35,407,663	5.4
	Illinois.....	35,798,400	655	413,816	414,471	35,383,929	1.2
	Indiana.....	23,171,200	13	334,530	334,543	22,836,657	1.4
	Iowa.....	35,868,800	341	122,712	123,053	35,745,747	.3
	Kentucky.....	25,512,960		976,460	976,460	24,536,500	3.8
	Louisiana.....	28,903,680	33,083	1,026,136	1,059,219	27,844,461	3.7
	Maine.....	19,855,600		127,784	127,784	19,727,816	.6
	Maryland.....	6,323,840		180,134	180,134	6,143,706	2.8
	Massachusetts.....	5,034,880		55,463	55,463	4,979,417	1.1
	Michigan.....	36,494,080	288,750	2,953,323	3,242,073	33,252,007	8.9
	Minnesota.....	51,205,760	1,451,655	1,911,923	3,363,578	47,842,182	6.6
	Mississippi.....	30,238,720	12,418	1,504,438	1,516,856	28,721,864	5.0
	Missouri.....	44,304,640	3,041	1,689,226	1,692,267	42,612,373	3.8
	New Hampshire.....	5,770,880		696,376	696,376	5,074,504	12.1
	New Jersey.....	4,814,080		96,221	96,221	4,717,859	2.0
	New York.....	30,684,160		262,574	262,574	30,421,586	.9
	North Carolina.....	31,422,080		1,888,748	1,888,748	29,533,332	6.0
	Ohio.....	26,240,000	85	204,967	205,052	26,034,948	.8
	Pennsylvania.....	28,828,800		551,747	551,747	28,277,053	1.9
	Rhode Island.....	677,120		7,804	7,804	669,316	1.2
	South Carolina.....	19,395,200		1,115,772	1,115,772	18,279,428	5.8
	Tennessee.....	26,750,080		1,546,512	1,546,512	25,203,568	5.8
	Vermont.....	5,937,920		251,873	251,873	5,686,047	4.2
	Virginia.....	25,531,520		2,138,678	2,138,678	23,392,842	8.4
	West Virginia.....	15,411,200		943,393	943,393	14,467,807	6.1
	Wisconsin.....	35,011,200	11,280	1,772,308	1,783,588	33,227,612	5.1
	Total Eastern States office.....	742,195,840	3,264,736	30,710,401	33,975,137	708,220,703	4.5
	Grand total.....	2,271,555,709	720,891,628	49,997,992	770,889,610	1,500,666,089	33.8

¹ Does not include Indian or other trust properties.

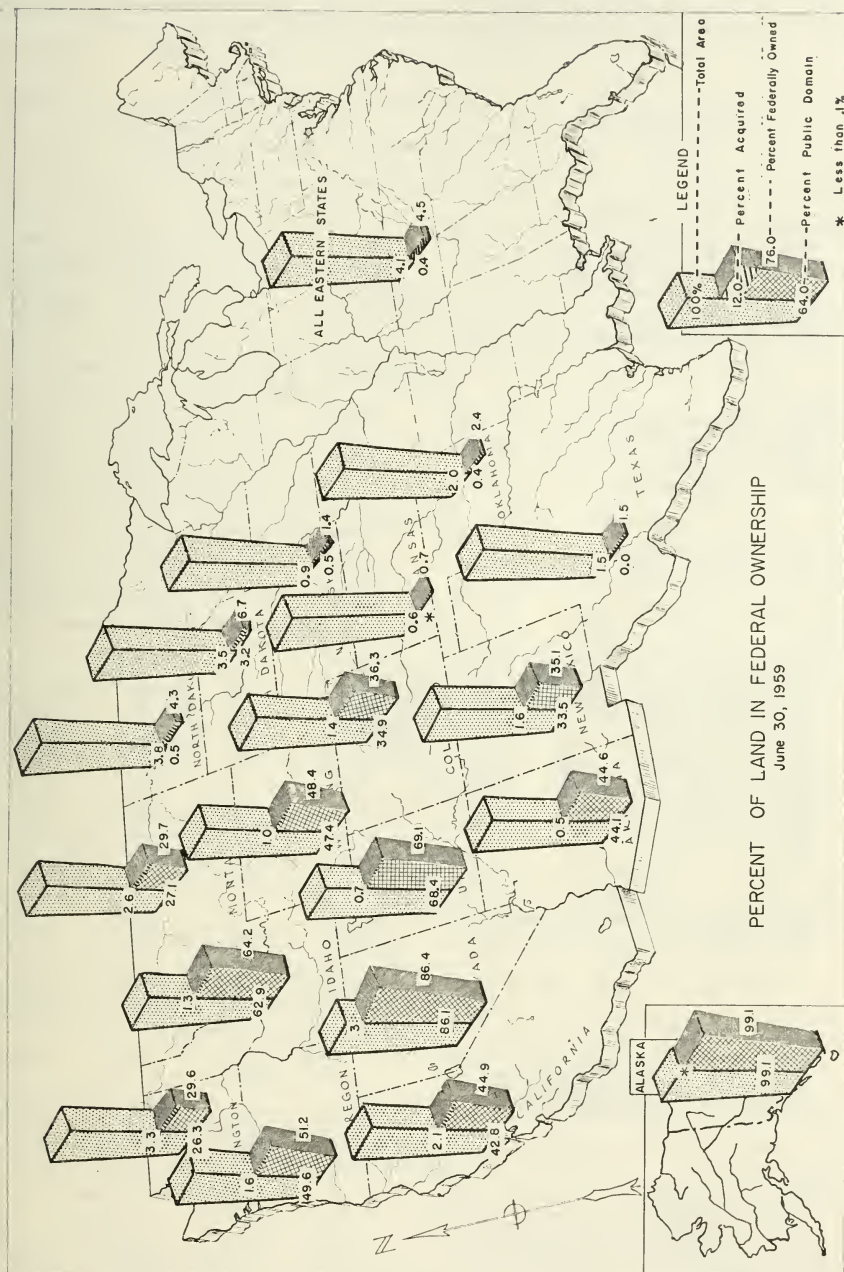


TABLE 8.—*Land owned by the United States throughout the world, by agency, bureau, and method of acquisition as of June 30, 1959*

Agency and Bureau	Acres			
	Public domain	Life interest	Purchase, donation, transfer, etc.	Total
CIVIL AGENCIES				
Agriculture:				
Office of the Secretary.....	.0	.0	333.4	333.4
Agricultural Marketing Service.....	.0	.0	9.9	9.9
Agricultural Research Service.....	345,503.1	.0	42,281.4	387,784.5
Farmers Home Administration.....	.0	.0	2,140.4	2,140.4
Forest Service.....	159,983,371.0	.0	25,675,122.5	185,658,493.5
Soil Conservation Service.....	18,379.3	.0	17,986.3	36,365.6
Commercial Stabilization Service.....	.0	.0	36.3	36.3
Total.....	160,347,253.4	.0	25,737,910.2	186,085,163.6
Commerce:				
Coast and Geodetic Survey.....	290.3	.0	323.8	614.1
National Bureau of Standards.....	.0	.0	699.7	699.7
Weather Bureau.....	10.3	.0	21.5	31.8
Bureau of Public Roads.....	8.0	.0	1,104.0	1,112.0
Maritime Administration.....	.0	.0	4,977.7	4,977.7
Total.....	308.6	.0	7,126.7	7,435.3
Health, Education, and Welfare:				
St. Elizabeths Hospital.....	.0	.0	351.6	351.6
Public Health Service.....	683.9	.0	4,038.4	4,722.3
Total.....	683.9	.0	4,390.0	5,073.9
Interior:				
Bureau of Mines.....	12,602.3	.0	13,457.4	26,059.7
Geological Survey.....	50.0	.0	12.5	62.5
Bureau of Land Management.....	497,727,492.2	.0	2,517,259.0	500,244,751.2
Fish and Wildlife Service.....	13,156,086.3	.0	2,860,139.5	16,016,225.8
National Park Service.....	17,986,590.9	.0	4,358,734.6	22,345,325.5
Bureau of Indian Affairs.....	4,097,097.4	.0	537,159.9	4,634,257.3
Bureau of Reclamation.....	8,050,680.2	.0	1,483,666.8	9,534,347.0
Bonneville Power Administration.....	40.0	.0	8,020.3	8,060.3
S.W. Power Administration.....	.0	.0	120.7	120.7
Alaska Railroad.....	36,959.1	.0	1,804.4	38,763.5
Virgin Islands Corporation.....	.0	.0	3,762.2	3,762.2
Office of Territories.....	.0	.0	17,605.1	17,605.1
Total.....	541,067,598.4	.0	11,801,742.4	552,869,340.8
Justice:				
Immigration and Naturalization Service.....	3.0	.0	92.8	95.8
Bureau of Prisons.....	2,683.6	.0	21,488.3	24,171.9
U.S. Marshal.....	.0	.0	1.5	1.5
Total.....	2,686.6	.0	21,582.6	24,269.2
Post Office.....	5.1	.0	1,623.6	1,628.7
State:				
Foreign Buildings Operations.....	.0	352.5	1,290.7	1,643.2
International Cooperation Administration.....	.0	4.1	1.3	5.4
International Boundary and Water Commission—U.S. and Mexico.....	3,535.2	.0	72,535.5	76,070.7
Total.....	3,535.2	356.6	73,827.5	77,719.3
Treasury:				
Office of the Secretary.....	.0	.0	6.7	6.7
Bureau of Accounts.....	.0	.0	.5	.5
Bureau of Customs.....	.0	.0	17.2	17.2
Bureau of Engraving and Printing.....	.0	.0	12.5	12.5
Bureau of the Mint.....	.0	.0	82.7	82.7
Coast Guard.....	73,744.4	.0	12,423.0	86,167.4
Total.....	73,744.4	.0	12,542.6	86,287.0

TABLE 8.—*Land owned by the United States throughout the world, by agency, bureau, and method of acquisition as of June 30, 1959—Continued*

Agency and Bureau	Acres			
	Public domain	Life interest	Purchase, donation, transfer, etc.	Total
General Services Administration.....	7.7	.0	20,117.8	20,125.5
Housing and Home Finance: Office of the Administrator.....	.0	.0	5.9	5.9
Public Housing Administration.....	.0	.0	2,341.3	2,341.3
Total.....	.0	.0	2,347.2	2,347.2
Veterans Administration.....	3,508.9	.0	28,399.1	31,908.0
OTHER CIVIL AGENCIES				
American Battle Monuments Commission.....	.0	1,610.9	.0	1,610.9
Atomic Energy Commission.....	1,198,042.6	.0	654,823.0	1,852,865.6
Canal Zone Government.....	.0	8,698.0	.0	8,698.0
Federal Aviation Agency.....	102,526.9	.0	15,095.3	117,622.2
Federal Communications Commission.....	.0	.0	2,358.3	2,358.3
Federal Facilities Corporation.....	.0	.0	139.0	139.0
Government Printing Office.....	.0	.0	5.5	5.5
National Aeronautics and Space Administration.....	.0	.0	5,179.1	5,179.1
National Capital Housing Authority.....	.0	.0	3.0	3.0
National Science Foundation.....	.0	.0	1.3	1.3
Panama Canal Company.....	.0	357,502.0	0	357,502.0
Smithsonian Institution.....	.0	.0	252.3	252.3
Tennessee Valley Authority.....	.0	.0	707,162.1	707,162.1
U.S. Information Agency.....	.0	896.0	2,252.6	3,148.6
Total other agencies.....	1,300,569.5	368,706.9	1,387,271.5	3,056,547.9
Total civil agencies.....	702,799,901.7	369,063.5	39,098,881.2	742,267,846.4
Defense:				
Military functions:				
Army.....	4,121,653.0	.0	3,996,267.0	8,117,920.0
Air Force.....	11,127,043.0	.0	1,868,035.0	12,995,078.0
Navy.....	2,067,940.0	.0	1,374,915.0	3,442,855.0
Total military functions.....	17,316,636.0	.0	7,239,217.0	24,555,853.0
Civil functions:				
Corps of Engineers—Civil.....	775,090.3	.0	4,073,810.1	4,848,900.4
Total defense.....	18,091,726.3	.0	11,313,027.1	29,404,753.4
Total all agencies.....	720,891,628.0	369,063.5	50,411,908.3	771,672,599.8

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959*

Agency and State	Public domain	Acquired	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Department of Agriculture.....	160,365,596.4	25,686,445.0	186,052,041.4
Office of the Secretary.....		333.4	333.4
Maryland.....		333.4	333.4
Agricultural Marketing Service.....		9.9	9.9
Georgia.....		9.9	9.9
Agricultural Research Service.....	345,503.1	42,223.2	387,726.3
Alabama.....		40.1	40.1
Alaska.....		15.9	15.9
Arizona.....		25.0	25.0
California.....		567.6	567.6
Colorado.....		71.6	71.6
District of Columbia.....		411.9	411.9
Florida.....		5,750.7	5,750.7
Georgia.....		1,215.0	1,215.0

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of Agriculture—Continued			
Agricultural Research Service—Continued			
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Idaho.....	27,840.0	3,872.6	31,712.6
Illinois.....		20.2	20.2
Iowa.....		363.5	363.5
Louisiana.....		1,336.3	1,336.3
Maine.....		5.0	5.0
Maryland.....		11,314.4	11,314.4
Massachusetts.....		.3	.3
Michigan.....		50.0	50.0
Minnesota.....		15.0	15.0
Mississippi.....		383.7	383.7
Montana.....	72,447.2	422.3	72,869.5
Nebraska.....	21,325.6		21,325.6
New Jersey.....		34.9	34.9
New Mexico.....		325.0	200,738.5
New York.....	200,413.5	1,107.0	1,107.0
North Carolina.....		5.0	5.0
North Dakota.....		1,118.7	1,118.7
Ohio.....		631.7	631.7
Oklahoma.....	8,363.0	4,837.7	13,200.7
Oregon.....	14,593.8		14,593.8
Pennsylvania.....		32.5	32.5
South Carolina.....		464.2	464.2
South Dakota.....	360.0		360.0
Tennessee.....		554.2	554.2
Texas.....		3,054.3	3,054.3
Utah.....		.3	.3
Virginia.....		4,170.9	4,170.9
Washington.....	160.0	5.0	165.0
Wisconsin.....		.7	.7
Farmers Home Administration.....		2,140.4	2,140.4
Alabama.....		65.0	65.0
Missouri.....		360.0	360.0
North Carolina.....		1,668.5	1,668.5
Virginia.....		46.9	46.9
Forest Service.....	160,001,714.0	25,623,715.5	185,625,429.5
Alabama.....	25,319.0	606,651.0	631,970.0
Alaska.....	20,742,273.0	7.0	20,742,280.0
Arizona.....	11,381,243.0	298.9	11,381,541.9
Arkansas.....	1,030,772.0	1,400,665.0	2,431,437.0
California.....	19,668,564.0	295,275.0	19,963,839.0
Colorado.....	13,727,324.0	631,594.0	14,358,918.0
Florida.....	162,193.0	912,549.0	1,074,742.0
Georgia.....		785,678.0	785,678.0
Idaho.....	19,951,955.4	389,183.8	20,341,139.2
Illinois.....	420.0	210,593.0	211,013.0
Indiana.....		121,086.0	121,086.0
Iowa.....		5,695.0	5,695.0
Kansas.....		107,039.0	107,039.0
Kentucky.....		458,523.0	458,523.0
Louisiana.....	435.0	591,291.0	591,726.0
Maine.....		50,281.9	50,281.9
Massachusetts.....		1,651.0	1,651.0
Michigan.....	266,390.0	2,292,771.0	2,559,161.0
Minnesota.....	1,140,477.0	1,645,910.0	2,786,387.0
Mississippi.....	1,590.0	1,132,222.0	1,133,812.0
Missouri.....	1,796.0	1,372,290.0	1,374,086.0
Montana.....	16,623,091.6	12,596.5	16,635,688.1
Nebraska.....	197,578.0	142,138.0	339,716.0
Nevada.....	5,037,861.0	20,206.0	5,058,067.0
New Hampshire.....		677,533.3	677,533.3
New Mexico.....	8,489,981.0	514,227.0	9,004,208.0
New York.....		13,747.0	13,747.0
North Carolina.....		1,124,371.0	1,124,371.0
North Dakota.....	103,530.0	1,001,002.0	1,104,532.0
Ohio.....		106,266.0	106,266.0
Oklahoma.....	440.0	266,668.0	267,108.0
Oregon.....	14,403,742.0	534,811.3	14,938,553.3
Pennsylvania.....		470,862.0	470,862.0
South Carolina.....		587,274.0	587,274.0
South Dakota.....	1,201,224.0	802,449.0	2,003,673.0
Tennessee.....		595,982.0	595,982.0
Texas.....		775,262.0	775,262.0

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of Agriculture—Continued			
Forest Service—Continued			
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Utah.....	7,716,780.0	210,653.4	7,927,433.4
Vermont.....	-----	230,954.0	230,954.0
Virginia.....	-----	1,449,481.0	1,449,481.0
Washington.....	9,447,525.0	241,082.3	9,688,607.3
West Virginia.....	-----	903,878.0	903,878.0
Wisconsin.....	7,948.0	1,460,621.1	1,468,569.1
Wyoming.....	8,671,262.0	470,596.0	9,141,858.0
Soil Conservation Service.....	18,379.3	17,986.3	36,365.6
Alaska.....	6.9	-----	6.9
Arizona.....	-----	45.9	45.9
California.....	-----	60.4	60.4
Georgia.....	-----	340.7	340.7
Iowa.....	-----	.8	.8
Kansas.....	-----	181.7	181.7
Missouri.....	-----	272.8	272.8
Nebraska.....	-----	167.6	167.6
Nevada.....	18,372.4	.2	18,372.6
New York.....	-----	212.9	212.9
Texas.....	-----	2.1	2.1
Washington.....	-----	224.4	224.4
Wyoming.....	-----	16,476.8	16,476.8
Commodity Stabilization Service.....	-----	36.3	36.3
Illinois.....	-----	8.9	8.9
Minnesota.....	-----	1.9	1.9
Missouri.....	-----	9.2	9.2
Nebraska.....	-----	8.2	8.2
Ohio.....	-----	8.1	8.1
Department of Commerce.....	308.6	7,119.5	7,428.1
Coast and Geodetic Survey.....	290.3	323.8	614.1
Alaska.....	117.3	-----	117.3
Arizona.....	173.0	-----	173.0
Arkansas.....	-----	11.4	11.4
California.....	-----	2.5	2.5
Florida.....	-----	10.0	10.0
Kentucky.....	-----	39.0	39.0
Maryland.....	-----	2.3	2.3
Massachusetts.....	-----	24.0	24.0
Nebraska.....	-----	40.0	40.0
New Hampshire.....	-----	7.2	7.2
Virginia.....	-----	187.4	187.4
Bureau of Standards.....	-----	694.7	694.7
Colorado.....	-----	217.0	217.0
District of Columbia.....	-----	69.2	69.2
Illinois.....	-----	.1	.1
Virginia.....	-----	408.4	408.4
Weather Bureau.....	10.3	19.3	29.6
Alaska.....	10.3	-----	10.3
Arkansas.....	-----	.9	.9
Maryland.....	-----	5.8	5.8
Montana.....	-----	.3	.3
New Jersey.....	-----	.2	.2
North Carolina.....	-----	3.4	3.4
North Dakota.....	-----	.7	.7
Ohio.....	-----	.6	.6
Texas.....	-----	.8	.8
Virginia.....	-----	.3	.3
Washington.....	-----	6.3	6.3
Bureau of Public Roads.....	8.0	1,104.0	1,112.0
Alaska.....	8.0	25.6	33.6
Colorado.....	-----	5.1	5.1
Maryland.....	-----	88.9	88.9
Montana.....	-----	2.3	2.3
Nevada.....	-----	242.1	242.1
Virginia.....	-----	735.4	735.4
Washington.....	-----	4.6	4.6

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of Commerce—Continued	Acres	Acres	Acres
Maritime Administration.....		4, 977. 7	4, 977. 7
Alabama.....		74. 0	74. 0
California.....		491. 4	491. 4
Florida.....		13. 0	13. 0
Maryland.....		33. 0	33. 0
New Jersey.....		50. 0	50. 0
New York.....		103. 0	103. 0
North Carolina.....		1, 877. 0	1, 877. 0
Oregon.....		906. 0	906. 0
Texas.....		698. 0	698. 0
Virginia.....		629. 0	629. 0
Washington.....		103. 3	103. 3
Department of Health, Education, and Welfare.....	683. 9	4, 372. 9	5, 056. 8
Saint Elizabeths Hospital.....		351. 6	351. 6
District of Columbia.....		351. 6	351. 6
Public Health Service.....	683. 9	4, 021. 3	4, 705. 2
Alaska.....		61. 4	698. 7
Arizona.....	637. 3	65. 3	65. 3
California.....		45. 5	45. 5
Florida.....		15. 7	15. 7
Georgia.....		109. 2	109. 2
Illinois.....		11. 2	11. 2
Kansas.....		. 4	. 4
Kentucky.....		1, 041. 6	1, 041. 6
Louisiana.....		365. 5	365. 5
Maine.....		6. 9	6. 9
Maryland.....		335. 4	335. 4
Massachusetts.....		13. 1	13. 1
Michigan.....		7. 0	7. 0
Minnesota.....		6. 5	6. 5
Mississippi.....		. 9	. 9
Montana.....		30. 5	30. 5
Nebraska.....		5. 3	5. 3
Nevada.....		. 2	. 2
New Mexico.....		54. 2	54. 2
New York.....		41. 6	41. 6
North Carolina.....		1. 2	1. 2
North Dakota.....		1. 8	1. 8
Ohio.....		21. 4	21. 4
Oklahoma.....	46. 6	345. 9	392. 5
Oregon.....		1. 4	1. 4
Pennsylvania.....		2. 6	2. 6
South Dakota.....		50. 5	50. 5
Tennessee.....		6. 6	6. 6
Texas.....		1, 302. 3	1, 302. 3
Virginia.....		21. 8	21. 8
Washington.....		48. 4	48. 4
Department of the Interior.....	541, 067, 602. 9	11, 578, 567. 1	552, 646, 170. 0
Bureau of Mines.....	12, 602. 3	13, 457. 4	26, 059. 7
Alabama.....		2. 6	2. 6
Alaska.....	2. 3		2. 3
Arizona.....		1. 4	1. 4
Colorado.....		169. 3	169. 3
Kansas.....		103. 0	103. 0
Maryland.....		12. 9	12. 9
Minnesota.....		57. 2	57. 2
Missouri.....		3. 0	3. 0
Nevada.....		4. 5	4. 5
New Mexico.....		4. 7	4. 7
North Dakota.....		11. 7	11. 7
Oklahoma.....		201. 3	201. 3
Oregon.....		47. 0	47. 0
Pennsylvania.....		264. 3	264. 3
Tennessee.....		6. 2	6. 2
Texas.....		12, 495. 5	12, 495. 5
Utah.....	12, 600. 0	15. 0	12, 615. 0
Washington.....		10. 3	10. 3
West Virginia.....		45. 3	45. 3
Wyoming.....		2. 2	2. 2
Geological Survey.....	50. 0	12. 5	62. 5
California.....		12. 5	12. 5
Utah.....	50. 0		50. 0

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of the Interior—Continued			
Bureau of Land Management	<i>Acres</i> 497,727,497.0	<i>Acres</i> 2,517,254.2	<i>Acres</i> 500,244,751.2
Alabama	5,951.0		5,951.0
Alaska	322,432,192.0		322,432,192.0
Arizona	13,063,701.5	39,127.0	13,102,828.5
Arkansas	6,398.0		6,398.0
California	16,027,881.0		16,027,881.0
Colorado	8,337,733.0	49,328.7	8,387,061.7
Florida	1,941.0		1,941.0
Idaho	11,699,473.0	73,337.5	11,772,810.5
Illinois	170.0		170.0
Indiana	13.0		13.0
Kansas	1,431.0		1,431.0
Louisiana	14,919.0		14,919.0
Michigan	4,603.0		4,603.0
Minnesota	75,979.0		75,979.0
Mississippi	7,463.0		7,463.0
Missouri	195.0		195.0
Montana	6,448,866.5	1,941,889.8	8,390,756.3
Nebraska	6,288.0		6,288.0
Nevada	47,337,079.0	3,390.3	47,340,469.3
New Mexico	14,069,135.0	273,435.0	14,342,570.0
North Dakota	84,467.0		84,467.0
Oklahoma	22,829.0	13,236.0	36,065.0
Oregon	15,414,304.0	94,731.4	15,509,035.4
South Dakota	286,778.0		286,778.0
Utah	24,447,460.2	18,767.3	24,466,227.5
Washington	389,190.0		389,190.0
Wisconsin	1,682.0		1,682.0
Wyoming	17,539,369.8	10,016.2	17,549,386.0
Fish and Wildlife Service	13,156,086.0	2,859,512.6	16,015,598.6
Alabama		663.8	663.8
Alaska	7,836,829.9	4.5	7,836,834.4
Arizona	1,526,976.1	1.3	1,526,977.4
Arkansas	8,809.8	111,542.6	120,352.4
California	2,360.2	34,251.6	36,611.8
Colorado	4,159.1	9,993.6	14,152.7
Connecticut		1.2	1.2
Delaware		13,810.3	13,810.3
Florida	4,281.8	96,270.8	100,552.6
Georgia		374,311.1	374,311.1
Idaho	6,650.7	11,085.9	17,736.6
Illinois	65.2	51,471.0	51,536.2
Indiana		153.6	153.6
Iowa	333.7	24,145.7	24,479.4
Kansas		7,142.5	7,142.5
Kentucky		60,229.2	60,229.2
Louisiana	8,879.7	220,337.1	229,216.8
Maine		22,710.4	22,710.4
Maryland		18,191.5	18,191.5
Massachusetts		9,716.7	9,716.7
Michigan	2,770.9	97,306.2	100,077.1
Minnesota	282.1	202,016.0	202,298.1
Mississippi	3,272.9	47,158.6	50,431.5
Missouri		41,401.1	41,401.1
Montana	416,300.8	68,631.7	484,932.5
Nebraska	15,317.4	120,315.7	135,633.1
Nevada	2,872,248.5	54,844.7	2,927,093.2
New Hampshire		40.0	40.0
New Jersey		12,892.4	12,892.4
New Mexico	11,415.7	70,398.8	81,814.5
New York		55,200.3	55,200.3
North Carolina		77,756.5	77,756.5
North Dakota	4,143.1	169,388.2	173,531.3
Ohio	82.0	217.4	299.4
Oklahoma	77,806.2	1,847.4	79,653.6
Oregon	248,660.1	190,892.7	439,552.8
Pennsylvania		277.4	277.4
Rhode Island		26.0	26.0
South Carolina		136,590.9	136,590.9
South Dakota	80.0	32,345.7	32,425.7
Tennessee		1,908.8	1,908.8
Texas		104,853.4	104,853.4
Utah	48,777.7	25,095.8	73,873.5
Vermont		3,454.8	3,454.8
Virginia		15,679.5	15,679.5
Washington	37,734.6	74,520.5	112,255.1
West Virginia		216.6	216.6
Wisconsin	462.0	166,296.2	166,758.2
Wyoming	17,385.8	21,895.9	39,281.7

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of the Interior—Continued	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
National Park Service	17,986,590.9	4,157,558.3	22,144,149.2
Alabama.....	.....	3,003.1	3,003.1
Alaska.....	6,910,496.3	761.6	6,911,257.9
Arizona.....	1,305,128.4	96,379.0	1,401,507.4
Arkansas.....	896.0	90.1	986.1
California.....	3,840,473.2	187,286.8	4,027,760.0
Colorado.....	501,207.9	17,562.1	518,770.0
District of Columbia.....	.....	7,136.1	7,136.1
Florida.....	.....	1,348,807.0	1,348,807.0
Georgia.....	.....	15,573.6	15,573.6
Idaho.....	78,378.7	1,113.2	79,491.9
Iowa.....	.....	1,204.4	1,204.4
Kentucky.....	.....	61,491.4	61,491.4
Louisiana.....	.....	69.6	69.6
Maine.....	.....	30,847.3	30,847.3
Maryland.....	.....	16,621.6	16,621.6
Massachusetts.....	.....	21.5	21.5
Michigan.....	10,441.9	528,897.5	539,339.4
Minnesota.....	3.5	272.4	275.9
Mississippi.....	.....	21,699.3	21,699.3
Missouri.....	.....	292.6	292.6
Montana.....	1,126,554.4	26,022.4	1,152,576.8
Nebraska.....	2,014.0	347.5	2,361.5
Nevada.....	115,879.3	.7	115,880.0
New Jersey.....	.....	1,053.2	1,053.2
New Mexico.....	213,964.5	23,206.4	237,170.9
New York.....	.....	2,717.1	2,717.1
North Carolina.....	.....	334,487.2	334,487.2
North Dakota.....	10,444.0	58,237.2	68,681.2
Ohio.....	.....	88.4	88.4
Oklahoma.....	.....	912.0	912.0
Oregon.....	158,302.5	2,467.8	160,770.3
Pennsylvania.....	.....	3,640.9	3,640.9
South Carolina.....	.....	4,015.4	4,015.4
South Dakota.....	78,718.8	50,961.1	129,679.9
Tennessee.....	.....	248,349.7	248,349.7
Texas.....	.....	698,620.7	698,620.7
Utah.....	279,409.2	12,856.2	292,265.4
Virginia.....	.....	258,764.2	258,764.2
Washington.....	1,082,312.6	54,551.5	1,136,864.1
West Virginia.....	.....	472.6	472.6
Wyoming.....	2,271,965.7	36,655.9	2,308,621.6
Bureau of Indian Affairs	4,097,097.4	537,159.9	4,634,257.3
Alaska.....	4,072,146.3	.....	4,072,146.3
Arizona.....	22,415.0	8,674.6	31,089.6
California.....	.....	837.3	837.3
Colorado.....	.....	573.0	573.0
Idaho.....	330.0	42,066.4	42,396.4
Iowa.....	.....	40.0	40.0
Kansas.....	.....	320.9	320.9
Michigan.....	.....	4,016.8	4,016.8
Minnesota.....	.....	28,667.4	28,667.4
Mississippi.....	.....	213.6	213.6
Montana.....	.....	128,228.1	128,228.1
Nebraska.....	152.5	170.0	322.5
Nevada.....	.....	7,641.8	7,641.8
New Mexico.....	391.4	85,353.2	85,744.6
North Carolina.....	.....	401.0	401.0
North Dakota.....	1,662.2	6,122.0	7,784.2
Oklahoma.....	.....	40,872.3	40,872.3
Oregon.....	.....	1,518.9	1,518.9
South Dakota.....	.....	140,451.6	140,451.6
Utah.....	.....	360.6	360.6
Washington.....	.....	55.4	55.4
Wisconsin.....	.....	39,446.7	39,446.7
Wyoming.....	.....	1,127.3	1,127.3

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Department of the Interior—Continued			
Bureau of Reclamation	8, 050, 680. 2	1, 483, 666. 8	9, 534, 347. 0
Alaska.....	4, 810. 0	162. 0	4, 972. 0
Arizona.....	1, 245, 163. 1	74, 634. 1	1, 319, 797. 2
California.....	932, 135. 4	260, 528. 0	1, 192, 663. 4
Colorado.....	552, 412. 0	41, 492. 5	593, 904. 5
Idaho.....	635, 323. 8	118, 497. 7	753, 821. 5
Iowa.....	.....	13. 0	13. 0
Kansas.....	.....	41, 474. 9	41, 474. 9
Minnesota.....	.....	17. 0	17. 0
Montana.....	247, 873. 3	97, 373. 9	345, 247. 2
Nebraska.....	8, 110. 4	32, 814. 1	40, 924. 5
Nevada.....	1, 070, 624. 6	110, 789. 4	1, 181, 414. 0
New Mexico.....	101, 467. 0	89, 125. 7	190, 592. 7
North Dakota.....	893. 1	18, 067. 4	18, 960. 5
Oklahoma.....	413. 0	24, 258. 5	24, 671. 5
Oregon.....	311, 019. 6	28, 261. 7	339, 281. 3
South Dakota.....	18, 731. 0	28, 442. 3	47, 173. 3
Texas.....	.....	2, 834. 6	2, 834. 6
Utah.....	1, 786, 927. 9	89, 437. 8	1, 876, 365. 7
Washington.....	167, 930. 4	321, 503. 8	489, 434. 2
Wyoming.....	966, 845. 6	103, 938. 4	1, 070, 784. 0
Bonneville Power Administration	40. 0	8, 020. 3	8, 060. 3
Idaho.....	.....	67. 2	67. 2
Montana.....	.....	102. 1	102. 1
Oregon.....	40. 0	1, 301. 8	1, 341. 8
Washington.....	.....	6, 549. 2	6, 549. 2
Southwestern Power Administration.....	.....	120. 7	120. 7
Arkansas.....	.....	20. 7	20. 7
Missouri.....	.....	63. 3	63. 3
Oklahoma.....	.....	34. 1	34. 1
Texas.....	.....	2. 6	2. 6
Office of Territories (Alaska Railroad)	36, 959. 1	1, 804. 4	38, 763. 5
Alaska.....	36, 959. 1	1, 804. 4	38, 763. 5
Department of Justice	2, 686. 6	21, 576. 9	24, 263. 5
Office of the United States Marshal.....	.....	1. 5	1. 5
Alaska.....	.....	1. 5	1. 5
Immigration and Naturalization Service	3. 0	87. 1	90. 1
Arizona.....	.....	1. 5	1. 5
California.....	.....	23. 4	23. 4
Michigan.....	.....	3. 5	3. 5
North Dakota.....	.....	. 5	. 5
Texas.....	.....	58. 2	58. 2
Washington.....	3. 0	.....	3. 0
Bureau of Prisons	2, 683. 6	21, 488. 3	24, 171. 9
Alaska.....	1. 1	. 3	1. 4
Arizona.....	160. 0	456. 5	616. 5
California.....	22. 5	.....	22. 5
Colorado.....	.....	640. 0	640. 0
Connecticut.....	.....	387. 4	387. 4
District of Columbia.....	.....	313. 8	313. 8
Florida.....	.....	793. 0	793. 0
Georgia.....	.....	1, 552. 0	1, 552. 0
Indiana.....	.....	2, 713. 0	2, 713. 0
Kansas.....	505. 0	71. 0	576. 0
Kentucky.....	.....	269. 6	269. 6
Michigan.....	.....	449. 0	449. 0
Minnesota.....	.....	2, 965. 0	2, 965. 0
Missouri.....	995. 0	541. 3	1, 536. 3
New York.....	.....	. 3	. 3
Ohio.....	.....	1, 456. 1	1, 456. 1
Oklahoma.....	1, 000. 0	.....	1, 000. 0
Pennsylvania.....	.....	947. 7	947. 7
Texas.....	.....	2, 150. 5	2, 150. 5
Virginia.....	.....	874. 0	874. 0
Washington.....	.....	4, 409. 4	4, 409. 4
West Virginia.....	.....	498. 4	498. 4

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Post Office Department	5.1	1,619.4	1,624.5
Bureau of Facilities	5.1	1,619.4	1,624.5
Alabama.....		27.2	27.2
Alaska.....	5.1	2.1	7.2
Arizona.....		4.7	4.7
Arkansas.....		27.0	27.0
California.....		87.0	87.0
Colorado.....		18.1	18.1
Connecticut.....		24.5	24.5
Delaware.....		3.9	3.9
District of Columbia.....		7.2	7.2
Florida.....		26.5	26.5
Georgia.....		42.2	42.2
Idaho.....		9.0	9.0
Illinois.....		102.3	102.3
Indiana.....		46.5	46.5
Iowa.....		42.3	42.3
Kansas.....		32.5	32.5
Kentucky.....		31.2	31.2
Louisiana.....		22.4	22.4
Maine.....		23.0	23.0
Maryland.....		21.6	21.6
Massachusetts.....		59.3	59.3
Michigan.....		62.7	62.7
Minnesota.....		32.0	32.0
Mississippi.....		24.8	24.8
Missouri.....		46.2	46.2
Montana.....		6.0	6.0
Nebraska.....		19.8	19.8
Nevada.....		6.2	6.2
New Hampshire.....		11.4	11.4
New Jersey.....		49.0	49.0
New Mexico.....		6.2	6.2
New York.....		113.8	113.8
North Carolina.....		42.7	42.7
North Dakota.....		8.7	8.7
Ohio.....		82.4	82.4
Oklahoma.....		38.2	38.2
Oregon.....		15.3	15.3
Pennsylvania.....		93.7	93.7
Rhode Island.....		6.5	6.5
South Carolina.....		18.6	18.6
South Dakota.....		15.3	15.3
Tennessee.....		33.0	33.0
Texas.....		80.2	80.2
Utah.....		8.7	8.7
Vermont.....		8.7	8.7
Virginia.....		34.6	34.6
Washington.....		20.4	20.4
West Virginia.....		22.4	22.4
Wisconsin.....		40.2	40.2
Wyoming.....		11.2	11.2
Department of State	3,535.2	72,535.5	76,070.7
International Boundary and Water Commission, United States and Mexico	3,535.2	72,535.5	76,070.7
Arizona.....	19.3	7.8	27.1
New Mexico.....	3,515.9	8,811.1	12,327.0
Texas.....		63,716.6	63,716.6
Treasury Department	73,294.0	11,340.8	84,634.8
Office of the Secretary		6.7	6.7
District of Columbia.....		6.7	6.7
Bureau of Accounts.....		.5	.5
District of Columbia.....		.5	.5
Bureau of Customs		13.7	13.7
Arizona.....		2.0	2.0
Maine.....		2.5	2.5
North Dakota.....		4.6	4.6
Texas.....		3.9	3.9
Vermont.....		.3	.3
Washington.....		.4	.4

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Treasury Department—Continued			
Bureau of Engraving and Printing		12.5	12.5
District of Columbia.....		12.5	12.5
Bureau of the Mint		82.7	82.7
Colorado.....		2.2	2.2
Kentucky.....		74.5	74.5
New York.....		4.7	4.7
Pennsylvania.....		1.3	1.3
Coast Guard	73,294.0	11,274.7	84,568.7
Alabama.....	147.9	.5	148.4
Alaska.....	61,970.4	20.6	61,991.0
California.....	1,497.6	1,077.2	2,574.8
Connecticut.....		172.8	172.8
Delaware.....		76.8	76.8
Florida.....	1,270.9	182.6	1,453.5
Georgia.....		98.2	98.2
Illinois.....		33.9	33.9
Indiana.....		3.7	3.7
Iowa.....		.9	.9
Kentucky.....		2.2	2.2
Louisiana.....	2,114.8	138.0	2,252.8
Maine.....		475.2	475.2
Maryland.....		175.7	175.7
Massachusetts.....		444.5	444.5
Michigan.....	1,264.1	1,984.1	3,248.2
Minnesota.....	10.0	14.1	24.1
Mississippi.....	92.0	.6	92.6
Missouri.....		4.4	4.4
New Hampshire.....		9.2	9.2
New Jersey.....		1,596.3	1,596.3
New York.....		526.1	526.1
North Carolina.....		1,213.9	1,213.9
Ohio.....	3.0	151.1	154.1
Oregon.....	549.9	148.5	698.4
Pennsylvania.....		4.4	4.4
Rhode Island.....		104.6	104.6
South Carolina.....		638.1	638.1
Texas.....		107.8	107.8
Vermont.....		7.0	7.0
Virginia.....		653.8	653.8
Washington.....	3,185.8	802.4	3,988.2
West Virginia.....		3.6	3.6
Wisconsin.....	1,187.6	401.9	1,589.5
General Services Administration	7.7	13,239.3	13,247.0
Alabama.....		26.1	26.1
Alaska.....		9.0	9.0
Arizona.....	7.0	14.7	21.7
Arkansas.....		208.9	208.9
California.....		186.8	186.8
Colorado.....		750.2	750.2
Connecticut.....		18.6	18.6
Delaware.....		1.6	1.6
District of Columbia.....		239.5	239.5
Florida.....		22.5	22.5
Georgia.....		169.6	169.6
Idaho.....		5.6	5.6
Illinois.....		81.9	81.9
Indiana.....		638.9	638.9
Iowa.....		7.4	7.4
Kansas.....		7.0	7.0
Kentucky.....		6.5	6.5
Louisiana.....		141.5	141.5
Maine.....		21.3	21.3
Maryland.....		934.4	934.4
Massachusetts.....		21.9	21.9
Michigan.....		60.9	60.9
Minnesota.....		50.8	50.8
Mississippi.....		5.5	5.5
Missouri.....		380.6	380.6
Montana.....	.7	1,526.3	1,527.0
Nebraska.....		14.9	14.9
Nevada.....		246.0	246.0
New Hampshire.....		4.6	4.6
New Jersey.....		171.6	171.6
New Mexico.....		117.1	117.1
New York.....		1,518.4	1,518.4

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Treasury Department—Continued			
General Services Administration—Continued	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
North Carolina.....		15.6	15.6
North Dakota.....		55.3	55.3
Ohio.....		1,946.1	1,946.1
Oklahoma.....		17.4	17.4
Oregon.....		92.3	92.3
Pennsylvania.....		30.2	30.2
Rhode Island.....		2.0	2.0
South Carolina.....		44.4	44.4
South Dakota.....		.5	.5
Tennessee.....		141.3	141.3
Texas.....		666.0	666.0
Utah.....		15.6	15.6
Vermont.....		20.0	20.0
Virginia.....		1,713.8	1,713.8
Washington.....		762.6	762.6
West Virginia.....		96.8	96.8
Wisconsin.....		7.7	7.7
Wyoming.....		1.1	1.1
Housing and Home Finance Agency.....		2,347.2	2,347.2
Office of the Administrator.....		5.9	5.9
California.....		5.1	5.1
Texas.....		.1	.1
Washington.....		.7	.7
Public Housing Administration.....		2,341.3	2,341.3
Alaska.....		.8	.8
California.....		1,124.3	1,124.3
Connecticut.....		109.5	109.5
District of Columbia.....		1.2	1.2
Georgia.....		1.0	1.0
Indiana.....		24.8	24.8
Kansas.....		.8	.8
Maine.....		37.1	37.1
Maryland.....		38.1	38.1
Massachusetts.....		71.6	71.6
Michigan.....		6.9	6.9
Minnesota.....		2.0	2.0
Mississippi.....		12.2	12.2
New Hampshire.....		.2	.2
New Jersey.....		.7	.7
New York.....		26.6	26.6
Ohio.....		3.8	3.8
Oklahoma.....		38.3	38.3
Oregon.....		6.7	6.7
South Carolina.....		1.0	1.0
Washington.....		828.0	828.0
Wisconsin.....		5.7	5.7
Veterans Administration.....	3,508.9	28,399.7	31,908.6
Alabama.....		628.5	628.5
Arizona.....	263.5	144.0	407.5
Arkansas.....		515.8	515.8
California.....		1,680.4	1,680.4
Colorado.....	618.2	433.8	1,052.0
Connecticut.....		147.4	147.4
Delaware.....		30.6	30.6
District of Columbia.....		47.7	47.7
Florida.....		1,484.0	1,484.0
Georgia.....		602.4	602.4
Idaho.....		87.5	87.5
Illinois.....		1,122.6	1,122.6
Indiana.....		373.8	373.8
Iowa.....		518.9	518.9
Kansas.....		965.5	965.5
Kentucky.....		475.0	475.0
Louisiana.....		320.4	320.4
Maine.....		1,240.4	1,240.4
Maryland.....		631.8	631.8
Massachusetts.....		801.6	801.6
Michigan.....		849.8	849.8
Minnesota.....		1,517.8	1,517.8
Mississippi.....		639.9	639.9
Missouri.....		362.7	362.7
Montana.....		149.4	149.4
Nebraska.....		123.5	123.5

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Veterans Administration—Continued			
Nevada.....	.....	12.5	12.5
New Hampshire.....	.....	38.0	38.0
New Jersey.....	.....	1,033.6	1,033.6
New Mexico.....	488.0	185.8	673.8
New York.....	.....	1,695.4	1,695.4
North Carolina.....	.....	608.0	608.0
North Dakota.....	.....	70.6	70.6
Ohio.....	.....	2,496.9	2,496.9
Oklahoma.....	.....	23.9	23.9
Oregon.....	.....	485.5	485.5
Pennsylvania.....	.....	1,387.6	1,387.6
Rhode Island.....	.....	40.0	40.0
South Carolina.....	.....	96.5	96.5
South Dakota.....	1,189.0	171.4	1,360.4
Tennessee.....	.....	1,143.9	1,143.9
Texas.....	.....	1,213.2	1,213.2
Utah.....	177.3	19.3	196.6
Vermont.....	.....	64.5	64.5
Virginia.....	.....	539.1	539.1
Washington.....	431.2	181.0	612.2
West Virginia.....	.....	352.0	352.0
Wisconsin.....	.....	531.4	531.4
Wyoming.....	341.7	108.8	450.5
Other Civil Agencies.....	1,300,245.5	1,385,352.5	2,685,598.0
Atomic Energy Commission.....	1,198,042.6	654,823.0	1,852,865.6
California.....	34,277.6	7,605.7	41,883.3
Colorado.....	27,223.0	3,479.6	30,702.6
Florida.....	.....	98.6	98.6
Idaho.....	513,238.8	57,713.9	570,952.7
Illinois.....	.....	3,734.6	3,734.6
Kentucky.....	.....	6,250.4	6,250.4
Maryland.....	.....	109.2	109.2
Massachusetts.....	.....	6.3	6.3
Missouri.....	.....	226.6	226.6
Nevada.....	475,420.0	.....	475,420.0
New Jersey.....	.....	15.3	15.3
New Mexico.....	72,236.8	3,155.1	75,391.9
New York.....	.....	11,374.7	11,374.7
Ohio.....	.....	5,142.2	5,142.2
Pennsylvania.....	.....	202.1	202.1
South Carolina.....	.....	200,646.0	200,646.0
Tennessee.....	.....	47,144.5	47,144.5
Utah.....	3,134.0	3,325.9	3,459.9
Washington.....	72,512.4	307,589.1	380,101.5
West Virginia.....	.....	3.2	3.2
Central Intelligence Agency.....	.....	717.5	717.5
California.....	.....	483.0	483.0
Maryland.....	.....	96.3	96.3
Virginia.....	.....	138.2	138.2
Federal Aviation Agency.....	102,202.9	12,801.8	115,004.7
Alabama.....	.....	11.3	11.3
Alaska.....	91,308.5	694.5	92,003.0
Arizona.....	1,244.5	20.0	1,264.5
California.....	3,320.0	121.6	3,441.6
Colorado.....	.....	324.0	324.0
Florida.....	.....	2,133.3	2,133.3
Georgia.....	.....	10.9	10.9
Idaho.....	275.0	22.6	297.6
Illinois.....	.....	.7	.7
Louisiana.....	.....	7.7	7.7
Maryland.....	.....	.2	.2
Massachusetts.....	.....	244.8	244.8
Michigan.....	.....	.3	.3
Mississippi.....	.....	12.1	12.1
Missouri.....	.....	1.7	1.7
Montana.....	382.5	22.6	405.1
Nevada.....	1,475.2	1,346.7	2,821.9
New Jersey.....	.....	996.6	996.6
New Mexico.....	972.9	36.3	1,009.2
New York.....	.....	178.7	178.7
North Dakota.....	.....	14.5	14.5
Ohio.....	.....	22.3	22.3
Oregon.....	499.4	.....	499.4

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Other Civil Agencies—Continued			
Federal Aviation Agency—Continued	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Pennsylvania.....	-----	122.9	122.9
South Carolina.....	-----	9.4	9.4
Tennessee.....	-----	2.4	2.4
Texas.....	-----	32.0	32.0
Utah.....	1,840.8	-----	1,840.8
Virginia.....	-----	6,257.6	6,257.6
Washington.....	-----	143.7	143.7
Wisconsin.....	-----	10.4	10.4
Wyoming.....	884.1	-----	884.1
Federal Communications Commission	-----	2,358.3	2,358.3
Arizona.....	-----	11.3	11.3
California.....	-----	230.0	230.0
Florida.....	-----	69.4	69.4
Georgia.....	-----	160.7	160.7
Maryland.....	-----	237.0	237.0
Massachusetts.....	-----	26.3	26.3
Michigan.....	-----	210.3	210.3
Nebraska.....	-----	160.0	160.0
New York.....	-----	260.0	260.0
Ohio.....	-----	322.0	322.0
Oregon.....	-----	109.0	109.0
Texas.....	-----	523.0	523.0
Washington.....	-----	39.3	39.3
Federal Facilities Corporation	-----	139.0	139.0
Kentucky.....	-----	139.0	139.0
Government Printing Office	-----	5.5	5.5
District of Columbia.....	-----	5.5	5.5
National Aeronautics and Space Administration	-----	5,179.1	5,179.1
California.....	-----	114.6	114.6
Ohio.....	-----	299.7	299.7
Virginia.....	-----	4,764.8	4,764.8
National Capital Housing Authority	-----	3.0	3.0
District of Columbia.....	-----	3.0	3.0
Smithsonian Institution	-----	252.3	252.3
District of Columbia.....	-----	231.3	231.3
Maryland.....	-----	21.0	21.0
Tennessee Valley Authority	-----	707,162.1	707,162.1
Alabama.....	-----	219,795.1	219,795.1
Florida.....	-----	3,463.7	3,463.7
Georgia.....	-----	9,526.5	9,526.5
Kentucky.....	-----	61,233.3	61,233.3
Mississippi.....	-----	9,081.7	9,081.7
North Carolina.....	-----	22,368.9	22,368.9
Tennessee.....	-----	380,481.3	380,481.3
Virginia.....	-----	1,211.6	1,211.6
United States Information Agency	-----	1,910.9	1,910.9
California.....	-----	1,280.0	1,280.0
New Jersey.....	-----	20.9	20.9
Ohio.....	-----	610.0	610.0
Department of Defense	17,239,433.0	7,171,613.0	24,411,046.0
Army	4,091,980.0	4,002,232.0	8,094,212.0
Alabama.....	33,411.0	140,979.0	174,390.0
Alaska.....	193,692.0	-----	193,692.0
Arizona.....	942,706.0	61,083.0	1,003,789.0
Arkansas.....	16.0	94,307.0	94,323.0
California.....	633,340.0	376,325.0	1,009,665.0
Colorado.....	1,761.0	78,622.0	80,383.0
Connecticut.....	-----	427.0	427.0
Delaware.....	-----	1,648.0	1,648.0
District of Columbia.....	-----	317.0	317.0

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of Defense—Continued			
Army—Continued	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Florida.....	14.0	82.0	96.0
Georgia.....	-----	519,486.0	519,486.0
Idaho.....	3,166.0	10.0	3,176.0
Illinois.....	-----	54,868.0	54,868.0
Indiana.....	-----	132,857.0	132,857.0
Iowa.....	-----	20,010.0	20,010.0
Kansas.....	24,965.0	55,767.0	80,732.0
Kentucky.....	-----	197,898.0	197,898.0
Louisiana.....	-----	118,351.0	118,351.0
Maine.....	-----	400.0	400.0
Maryland.....	-----	95,801.0	95,801.0
Massachusetts.....	-----	14,448.0	14,448.0
Michigan.....	2,348.0	16,824.0	19,172.0
Minnesota.....	-----	2,959.0	2,959.0
Mississippi.....	-----	7,497.0	7,497.0
Missouri.....	-----	74,841.0	74,841.0
Montana.....	1,548.0	6,521.0	8,069.0
Nebraska.....	20.0	50,447.0	50,467.0
Nevada.....	6,838.0	208.0	7,046.0
New Hampshire.....	-----	242.0	242.0
New Jersey.....	-----	49,268.0	49,268.0
New Mexico.....	1,716,008.0	174,566.0	1,890,574.0
New York.....	-----	138,299.0	138,299.0
North Carolina.....	-----	142,970.0	142,970.0
North Dakota.....	-----	170.0	170.0
Ohio.....	-----	34,151.0	34,151.0
Oklahoma.....	53,845.0	88,917.0	142,762.0
Oregon.....	8,440.0	11,187.0	19,627.0
Pennsylvania.....	-----	38,057.0	38,057.0
Rhode Island.....	-----	375.0	375.0
South Carolina.....	-----	53,670.0	53,670.0
South Dakota.....	1,201.0	12,979.0	14,180.0
Tennessee.....	-----	109,031.0	109,031.0
Texas.....	-----	415,728.0	415,728.0
Utah.....	435,818.0	48,452.0	484,270.0
Vermont.....	-----	12.0	12.0
Virginia.....	-----	160,744.0	160,744.0
Washington.....	27,617.0	325,982.0	353,599.0
West Virginia.....	-----	1,621.0	1,621.0
Wisconsin.....	2.0	68,307.0	68,309.0
Wyoming.....	5,224.0	4,521.0	9,745.0
Air Force.....	11,126,911.0	1,832,851.0	12,959,762.0
Alabama.....	-----	8,155.0	8,155.0
Alaska.....	2,007,296.0	-----	2,007,296.0
Arizona.....	2,590,902.0	12,559.0	2,603,461.0
Arkansas.....	-----	9,214.0	9,214.0
California.....	90,481.0	416,205.0	506,686.0
Colorado.....	-----	79,668.0	79,668.0
Connecticut.....	-----	79.0	79.0
Delaware.....	-----	3,265.0	3,265.0
District of Columbia.....	-----	626.0	626.0
Florida.....	140,642.0	493,758.0	634,400.0
Georgia.....	-----	29,145.0	29,145.0
Idaho.....	422,981.0	2,448.0	425,429.0
Illinois.....	-----	5,254.0	5,254.0
Indiana.....	-----	5,483.0	5,483.0
Iowa.....	-----	160.0	160.0
Kansas.....	-----	42,459.0	42,459.0
Kentucky.....	-----	127.0	127.0
Louisiana.....	28.0	26,151.0	26,179.0
Maine.....	-----	14,054.0	14,054.0
Maryland.....	-----	7,166.0	7,166.0
Massachusetts.....	-----	7,613.0	7,613.0
Michigan.....	-----	8,162.0	8,162.0
Minnesota.....	-----	1,512.0	1,512.0
Mississippi.....	-----	6,574.0	6,574.0
Missouri.....	-----	7,613.0	7,613.0
Montana.....	80.0	4,625.0	4,705.0
Nebraska.....	-----	4,060.0	4,060.0
Nevada.....	3,320,693.0	10,616.0	3,331,309.0
New Hampshire.....	-----	7,399.0	7,399.0
New Jersey.....	-----	3,772.0	3,772.0
New Mexico.....	1,149,739.0	18,571.0	1,168,310.0
New York.....	-----	17,180.0	17,180.0
North Carolina.....	-----	3,458.0	3,458.0
North Dakota.....	-----	10,044.0	10,044.0
Ohio.....	-----	15,163.0	15,163.0
Oklahoma.....	-----	9,471.0	9,471.0

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of Defense—Continued			
Air Force—Continued	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Oregon.....	37,476.0	58,966.0	96,442.0
Pennsylvania.....		2,139.0	2,139.0
Rhode Island.....		49.0	49.0
South Carolina.....		17,525.0	17,525.0
South Dakota.....		230,892.0	230,892.0
Tennessee.....		44,519.0	44,519.0
Texas.....		110,075.0	110,075.0
Utah.....	1,311,341.0	14,494.0	1,325,835.0
Vermont.....		12,779.0	12,779.0
Virginia.....		8,351.0	8,351.0
Washington.....	1,171.0	19,438.0	20,609.0
West Virginia.....		43.0	43.0
Wisconsin.....		5,048.0	5,048.0
Wyoming.....	54,081.0	16,724.0	70,805.0
Navy.....	2,020,542.0	1,336,530.0	3,357,072.0
Alabama.....		3,572.0	3,572.0
Alaska.....	48,481.0		48,481.0
Arizona.....		968.0	968.0
Arkansas.....		69,393.0	69,393.0
California.....	1,638,390.0	545,905.0	2,184,295.0
Colorado.....	59,167.0	3,629.0	62,796.0
Connecticut.....		734.0	734.0
Delaware.....		129.0	129.0
District of Columbia.....		747.0	747.0
Florida.....	14,835.0	59,656.0	74,491.0
Georgia.....		9,679.0	9,679.0
Idaho.....		260.0	260.0
Illinois.....		3,077.0	3,077.0
Indiana.....		63,034.0	63,034.0
Iowa.....		1,033.0	1,033.0
Kansas.....		2,729.0	2,729.0
Kentucky.....		394.0	394.0
Louisiana.....		12,810.0	12,810.0
Maine.....		7,671.0	7,671.0
Maryland.....		23,628.0	23,628.0
Massachusetts.....		8,560.0	8,560.0
Michigan.....		915.0	915.0
Minnesota.....		174.0	174.0
Mississippi.....		9,002.0	9,002.0
Missouri.....		610.0	610.0
Nebraska.....		48,830.0	48,830.0
Nevada.....	250,188.0	8,552.0	258,740.0
New Hampshire.....		51.0	51.0
New Jersey.....		20,584.0	20,584.0
New Mexico.....		1.0	1.0
New York.....		7,301.0	7,301.0
North Carolina.....		146,267.0	146,267.0
Ohio.....		692.0	692.0
Oklahoma.....		47,506.0	47,506.0
Oregon.....		2,745.0	2,745.0
Pennsylvania.....		5,640.0	5,640.0
Rhode Island.....		7,201.0	7,201.0
South Carolina.....		28,219.0	28,219.0
Tennessee.....		3,600.0	3,600.0
Texas.....		21,095.0	21,095.0
Utah.....		858.0	858.0
Vermont.....		1.0	1.0
Virginia.....		126,038.0	126,038.0
Washington.....		31,308.0	31,308.0
West Virginia.....		1,727.0	1,727.0
Wisconsin.....		5.0	5.0
Wyoming.....	9,481.0		9,481.0
Corps of Engineers.....	775,090.3	4,073,760.0	4,848,850.3
Alabama.....	112.0	16,875.7	16,987.7
Alaska.....	489.3		489.3
Arizona.....	19,684.1	1,299.0	20,983.1
Arkansas.....	26,276.6	231,341.0	257,617.6
California.....	17,737.8	49,088.7	66,826.5
Colorado.....	432.0	25,407.5	25,839.5
Connecticut.....		3,205.3	3,205.3
Delaware.....		12,500.7	12,500.7
District of Columbia.....		716.5	716.5
Florida.....	127.0	24,917.3	25,044.3
Georgia.....		273,745.7	273,745.7
Idaho.....	2,507.0	8,067.6	10,574.6

TABLE 9.—*Federally owned land, by agency and State, as of June 30, 1959—Con.*

Agency and State	Public domain	Acquired	Total
Department of Defense—Continued			
Corps of Engineers—Continued	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Illinois.....	-----	83,436.1	83,436.1
Indiana.....	-----	8,115.4	8,115.4
Iowa.....	7.0	69,476.9	69,483.9
Kansas.....	-----	68,767.0	68,767.0
Kentucky.....	-----	128,235.8	128,235.8
Louisiana.....	6,706.6	54,794.9	61,501.5
Maine.....	-----	9.1	9.1
Maryland.....	-----	4,430.6	4,430.6
Massachusetts.....	-----	11,738.8	11,738.8
Michigan.....	322.1	1,355.6	1,677.7
Minnesota.....	234,903.6	25,733.2	260,636.8
Mississippi.....	-----	269,909.8	269,909.8
Missouri.....	54.9	189,906.8	189,961.7
Montana.....	422,069.0	167,582.3	589,651.3
Nebraska.....	9.6	47,001.6	47,011.2
Nevada.....	996.0	554.0	1,550.0
New Hampshire.....	-----	11,039.8	11,039.8
New Jersey.....	-----	4,682.5	4,682.5
New Mexico.....	2,383.0	6,197.7	8,580.7
New York.....	-----	10,966.2	10,966.2
North Carolina.....	-----	31,233.7	31,233.7
North Dakota.....	6,406.8	463,931.1	470,337.9
Ohio.....	-----	35,194.3	35,194.3
Oklahoma.....	1,432.9	413,348.8	414,781.7
Oregon.....	16,821.4	36,852.7	53,674.1
Pennsylvania.....	-----	28,077.7	28,077.7
South Carolina.....	-----	86,560.4	86,560.4
South Dakota.....	9,366.7	421,087.5	430,454.2
Tennessee.....	-----	113,607.8	113,607.8
Texas.....	-----	425,025.9	425,025.9
Vermont.....	-----	4,571.2	4,571.2
Virginia.....	-----	97,334.6	97,334.6
Washington.....	6,244.9	39,836.5	46,081.4
West Virginia.....	-----	34,413.2	34,413.2
Wisconsin.....	-----	31,585.5	31,585.5
TOTAL.....	720,056,907.8	45,984,577.8	766,041,485.6

Iowa.....				1,204.4					333.7	24,145.7
Kentucky.....				61,491.4						60,229.2
Louisiana.....				30,847.3					8,879.7	230,337.1
Maine.....				16,621.6						22,710.4
Maryland.....				21.5						18,191.5
Massachusetts.....				528,897.5					2,770.9	9,716.7
Michigan.....	4,603.0			272.4					282.1	97,806.2
Minnesota.....	75,979.0			21,690.3				17.0	3,272.9	202,016.0
Mississippi.....	7,463.0			292.6						47,158.6
Missouri.....	195.0									41,401.1
New Hampshire.....										40.0
New Jersey.....				1,053.2						12,892.4
New York.....				2,717.1						55,200.3
North Carolina.....				334,487.2						77,756.5
Ohio.....				88.4					82.0	217.4
Pennsylvania.....				3,640.9						277.4
Rhode Island.....				4,015.4						26.0
South Carolina.....				248,349.7						136,590.9
Tennessee.....										1,908.8
Vermont.....										3,454.8
Virginia.....				258,764.2						15,579.5
West Virginia.....				472.6						216.6
Wisconsin.....	1,982.0								462.0	166,296.2
Total Eastern States.....	119,314.0			2,889,616.2				30.0	29,240.1	1,861,993.7
Grand total.....	497,727,497.0			4,157,558.3			8,050,680.2	1,483,666.8	13,156,086.0	2,859,512.6

TABLE 10.—Summary of federally owned land, by State and major agency, 1959—Continued

Area	State	Department of the Interior—Continued				Department of Agriculture			
		Bureau of Indian Affairs ¹		Other		Forest Service		Other	
		Public domain	Acres	Acquired	Public domain	Acquired	Public domain	Acquired	Public domain
1	California.....		837.3	12.5		Acres	Acres	Acres	Acres
	Oregon.....		1,518.9	1,348.8		19,668,564.0	295,275.0	628.0	
	Washington.....		56.4	6,559.5		14,403,742.0	534,811.3	14,593.8	
	Total Area 1.....		2,412.6	7,920.8		9,447,525.0	241,082.3	160.0	
2	Arizona.....		8,674.6	1.4		43,519,831.0	1,071,168.5	14,753.8	
	Idaho.....	22,415.0	42,066.4	67.4	11,381,243.0				
	Nevada.....	330.0	7,641.8	4.5	19,951,955.4	298.9	27,840.0	70.9	
	Utah.....		7,360.6	15.0	5,037,861.0	20,205.0	18,372.4	3,872.6	
3	Total Area 2.....		58,743.4	88.3	7,716,780.0	210,653.4			
	Colorado.....		573.0		44,087,839.4	620,342.1	46,212.4	3,944.0	
	Kansas.....		320.9	169.3	13,727,324.0	631,594.0		71.6	
	Montana.....		128,228.1	205.1	16,623,091.6	107,039.0		181.7	
4	New Mexico.....	152.5	85,353.2	4.7	16,107,578.0	12,308.5	72,447.2	422.3	
	North Dakota.....	391.3	6,192.2	11.7	8,489,981.0	142,138.0	21,325.6	175.8	
	Oklahoma.....	1,062.2	40,872.3	235.4	103,530.0	514,227.0	200,413.5	325.0	
	South Dakota.....		140,451.6		1,201,224.0	1,004,022.0	8,363.0	1,138.7	
5	Texas.....		1,127.3	12,498.1		266,668.0		4,837.7	
	Wyoming.....			2.2	8,671,262.0	802,443.0		3,800.0	
	Total Area 3.....		403,218.4	13,126.5	49,014,430.6	470,596.0	302,549.3	27,026.0	
	Alaska.....	2,206.1							
6	Eastern States Office:	4,072,146.3		1,804.4	20,742,273.0	7.0	6.9	15.9	
	Alabama.....			2.6					
	Arkansas.....			20.7	25,319.0	606,651.0		105.1	
	Connecticut.....				1,030,772.0	1,400,665.0			
7	Delaware.....								
	District of Columbia.....								
	Florida.....				162,193.0	912,549.0		411.9	
	Georgia.....					785,678.0		5,750.7	
8	Illinois.....				430.0	210,593.0		1,565.6	
	Indiana.....					121,086.0		29.1	

TABLE 10.—Summary of federally owned land, by State and major agency, 1959—Continued

Area	State	Department of Defense										Department of the Navy	
		Department of the Air Force		Department of the Army				Corps of Civil Engineers					
		Public domain	Acquired	Public domain	Acquired	Public domain	Acquired	Public domain	Acquired	Public domain	Acquired		
1	California.....	Acres 90,481.0	Acres 416,205.0	Acres 633,340.0	Acres 376,325.0	Acres 17,737.8	Acres 49,088.7	Acres 1,638,390.0	Acres 545,905.0				
	Oregon.....	37,476.0	58,966.0	8,440.0	11,187.0	16,821.4	36,852.7		2,745.0				
	Washington.....	1,171.0	19,438.0	27,617.0	325,982.0	6,244.9	39,836.5		31,308.0				
	Total Area 1.....	129,128.0	494,609.0	699,397.0	713,494.0	40,804.1	125,777.9	1,638,390.0	579,958.0				
	Arizona.....	2,590,902.0	12,559.0	942,706.0	61,083.0	19,684.1	1,299.0		968.0				
2	Idaho.....	422,981.0	2,448.0	3,166.0	10.0	2,507.0	8,067.6		260.0				
	Nevada.....	3,320,693.0	10,616.0	6,838.0	208.0	996.0	554.0	250,188.0	8,552.0				
	Utah.....	1,311,341.0	14,494.0	435,818.0	48,452.0				858.0				
	Total Area 2.....	7,645,917.0	40,117.0	1,388,528.0	109,753.0	23,187.1	9,920.6	250,188.0	10,638.0				
	Colorado.....		79,668.0	1,761.0	78,622.0	432.0	25,407.5	59,167.0	3,629.0				
3	Kansas.....		42,459.0	24,965.0	55,767.0		68,767.0		2,729.0				
	Montana.....	80.0	4,625.0	1,548.0	6,521.0		167,882.3						
	Nebraska.....		4,060.0	20.0	50,447.0	1.5	47,001.6		48,830.0				
	New Mexico.....	1,149,739.0	18,571.0	1,716,008.0	174,566.0	2,383.0	6,197.6		1.0				
	North Dakota.....		10,044.0		170.0	6,406.8	463,631.2						
	Oklahoma.....		9,471.0	53,845.0	88,917.0	1,432.9	413,348.8		47,506.0				
	South Dakota.....		230,892.0	1,201.0	12,979.0	9,366.7	421,087.5		21,095.0				
	Texas.....		110,075.0		415,728.0		425,025.9						
	Wyoming.....	54,081.0	16,724.0	5,224.0	4,521.0			9,481.0					
	Total Area 3.....	1,203,900.0	526,589.0	1,804,572.0	888,238.0	442,100.0	2,038,349.4	68,648.0	123,790.0				
	Alaska.....	2,007,296.0		193,692.0		489.3		248,481.0					
4	Eastern States Office:												
	Alabama.....		8,155.0	33,411.0	140,979.0	112.0	16,875.7		3,572.0				
	Arkansas.....		9,214.0	16.0	94,307.0	26,276.6	231,341.0		69,393.0				
	Connecticut.....		79.0		427.0		3,205.3		734.0				
	Delaware.....		3,265.0		1,648.0		12,500.7		129.0				
	District of Columbia.....		626.0		317.0		716.5		747.0				
	Florida.....	140,642.0	493,758.0	14.0	82.0	127.0	24,917.3	14,835.0	59,656.0				

Georgia.....	29,145.0	---	---	519,486.0	---	273,745.7	---	9,679.0
Illinois.....	5,254.0	---	---	54,808.0	---	83,456.1	---	3,077.0
Indiana.....	3,483.0	---	---	132,857.0	---	8,115.4	---	63,034.0
Iowa.....	160.0	---	---	20,010.0	7.0	69,476.9	---	1,033.0
Kentucky.....	127.0	---	---	197,898.0	---	128,235.8	---	394.0
Louisiana.....	26,151.0	---	---	118,351.0	---	54,794.9	---	12,810.0
Maine.....	14,054.0	---	---	400.0	6,706.6	9.1	---	7,671.0
Maryland.....	7,166.0	---	---	95,801.0	---	4,430.6	---	23,628.0
Massachusetts.....	7,613.0	---	---	14,448.0	---	11,738.8	---	8,560.0
Michigan.....	8,162.0	2,348.0	---	16,824.0	---	1,355.6	---	8,915.0
Minnesota.....	1,512.0	---	---	2,959.0	234,903.6	25,733.2	---	174.0
Mississippi.....	6,574.0	---	---	7,497.0	---	269,909.8	---	9,002.0
Missouri.....	7,613.0	---	---	74,841.0	54.9	189,906.8	---	610.0
New Hampshire.....	7,399.0	---	---	242.0	---	11,039.8	---	51.0
New Jersey.....	3,772.0	---	---	49,268.0	---	4,682.5	---	20,584.0
New York.....	17,180.0	---	---	138,299.0	---	10,966.2	---	7,301.0
North Carolina.....	3,458.0	---	---	142,970.0	---	31,233.7	---	146,267.0
Ohio.....	15,163.0	---	---	34,151.0	---	35,194.3	---	692.0
Pennsylvania.....	2,139.0	---	---	38,057.0	---	28,077.7	---	5,640.0
Rhode Island.....	49.0	---	---	375.0	---	---	---	7,201.0
South Carolina.....	17,525.0	---	---	53,670.0	---	86,560.4	---	28,219.0
Tennessee.....	44,519.0	---	---	109,031.0	---	113,607.8	---	3,600.0
Vermont.....	12,779.0	---	---	12.0	---	4,571.2	---	1.0
Virginia.....	8,351.0	---	---	160,744.0	---	97,334.6	---	126,038.0
West Virginia.....	43.0	---	---	1,621.0	---	34,413.2	---	1,727.0
Wisconsin.....	5,048.0	2.0	---	68,307.0	---	31,585.5	---	3.0
Total Eastern States.....	771,536.0	35,791.0	---	2,290,747.0	268,509.8	1,809,712.1	14,835.0	622,144.0
Grand total.....	1,832,851.0	4,091,980.0	---	4,002,232.0	775,090.3	4,073,760.0	2,020,542.0	1,336,530.0

See footnotes at end of table.

TABLE 10.—*Summary of federally owned land, by State and major agency, 1959—Continued*

Area	State	Atomic Energy Commission		Tennessee Valley Authority	
		Public domain	Acquired	Public domain	Acquired
1	California.....	<i>Acres</i> 34,277.6	<i>Acres</i> 7,605.7	<i>Acres</i>	<i>Acres</i>
	Oregon.....				
	Washington.....	72,512.4	307,589.1		
	Total Area 1.....	106,790.0	315,194.8		
2	Arizona.....				
	Idaho.....	513,238.8	57,713.9		
	Nevada.....	475,420.0			
	Utah.....	3,134.0	325.9		
	Total Area 2.....	991,792.8	58,039.8		
3	Colorado.....				
	Kansas.....	27,223.0	3,479.6		
	Montana.....				
	Nebraska.....				
	New Mexico.....				
	North Dakota.....	72,236.8	3,155.1		
	Oklahoma.....				
	South Dakota.....				
	Texas.....				
	Wyoming.....				
	Total Area 3.....	99,459.8	6,634.7		
4	Alaska.....				
	Eastern States Office:				
	Alabama.....			219,795.1	
	Arkansas.....				
	Connecticut.....				
	Delaware.....				
	District of Columbia.....				
	Florida.....		98.6	3,403.7	
	Georgia.....			9,526.5	
	Illinois.....		3,734.6		
	Indiana.....				
	Iowa.....		6,250.4	61,233.3	
	Kentucky.....				

Louisiana.....			
Maine.....			
Maryland.....		109.2	
Massachusetts.....		6.3	
Michigan.....			
Minnesota.....			
Mississippi.....			9,081.7
Missouri.....		226.6	
New Hampshire.....			
New Jersey.....		15.3	
New York.....		11,374.7	
North Carolina.....			22,368.9
Ohio.....		5,142.2	
Pennsylvania.....		202.1	
Rhode Island.....			
South Carolina.....		200,040.0	380,481.3
Tennessee.....		47,144.5	
Vermont.....			
Virginia.....			1,211.6
West Virginia.....		3.2	
Wisconsin.....			
Total Eastern States.....		274,953.7	707,162.1
Grand total.....	1,198,042.6	654,823.0	707,162.1

¹ Does not include Indian trust properties.

² Does not include 23,000,000 acres in oil and gas reserve under joint administration with the U. S. Department of the Interior.

Source: General Services Administration.

TABLE 11.—Public lands under exclusive jurisdiction of the Bureau of Land Management, 1960

Area	State	Vacant public lands 1			Reserved lands 2		Unperfected entries 3	Grand total
		Outside grazing districts	Within grazing districts	Total	LU 3	Other		
		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	California.....	13,064,680	2,608,520	15,673,210	94,923	156,592	150,362	15,980,164
	Oregon.....	781,591	12,371,616	13,153,207	94,923	2,211,812	11,803	15,471,745
	Washington.....	364,997	---	364,997	---	---	3,735	368,732
	Total Area 1.....	14,211,278	14,980,136	29,191,414	94,923	2,368,404	165,900	31,820,641
2	Arizona.....	1,913,092	10,528,962	12,442,054	39,127	563,010	16,614	13,060,805
	Idaho.....	576,977	11,075,085	11,652,062	73,316	287,493	172,547	12,185,418
	Nevada.....	3,883,785	42,442,688	46,026,453	3,388	1,249,486	81,403	47,300,725
	Utah.....	98,757	23,998,434	24,097,191	18,749	175,375	22,952	24,314,267
3	Total Area 2.....	6,172,611	88,045,149	94,217,760	134,575	2,275,364	293,516	96,921,215
	Colorado.....	599,822	7,490,345	8,090,167	37,536	249,442	6,171	8,383,316
	Kansas.....	1,431	---	1,431	---	---	---	1,431
	Montana.....	1,178,861	5,205,969	6,384,830	1,902,041	21,825	34,933	8,343,629
4	Nebraska.....	6,240	---	6,240	---	---	3,865	10,105
	New Mexico.....	300,572	12,738,435	13,129,007	270,884	759,011	18,625	14,177,527
	North Dakota.....	78,908	---	78,908	---	---	---	78,908
	Oklahoma.....	22,749	---	22,749	---	---	---	22,749
5	South Dakota.....	271,805	---	271,805	---	---	---	271,805
	Wyoming.....	3,012,916	13,184,816	16,197,732	9,715	1,377,904	26,884	17,612,235
	Total Area 3.....	5,563,304	38,619,565	44,182,869	2,220,176	2,439,745	90,478	48,933,268
6	Anchorage.....	69,505,789	---	69,505,789	---	---	---	69,505,789
	Fairbanks.....	198,890,316	---	198,890,316	---	---	---	198,890,316
	Juneau.....	1,804,237	---	1,804,237	---	---	---	1,804,237
	Total Area 4.....	270,200,342	---	270,200,342	---	---	---	270,200,342
7	Eastern States Office:	---	---	---	---	---	---	---
	Alabama.....	3,033	---	3,033	---	10	---	3,043
	Arkansas.....	2,692	---	2,692	---	327	40	3,059
	Florida.....	1,194	---	1,194	---	40	160	1,394
8	Illinois.....	254	---	254	---	---	---	254
	Indiana.....	13	---	13	---	---	---	13
	Louisiana.....	10,709	---	10,709	---	77	37	10,823
	Michigan.....	5,127	---	5,127	---	---	---	5,127
9	Minnesota.....	57,480	---	57,480	---	20,206	2	77,688
	Mississippi.....	4,227	---	4,227	---	---	240	4,467

Missouri.....	280	280	-----	-----	-----	280	-----	-----	280
Wisconsin.....	1,453	1,453	-----	-----	-----	1,453	-----	-----	1,533
Total Eastern States Office.....	86,462	86,462	-----	-----	-----	86,462	-----	479	107,694
Total United States.....	296,233,997	437,878,847	141,644,850	2,449,674	35,169,051	1,093,466	477,191,038		

¹ The following types of surveyed and unsurveyed public and ceded Indian lands are included: Areas withdrawn under the Executive Orders of November 26, 1934, and February 5, 1935 (43 C.F.R. 297.11 *et seq.*); areas embraced in mineral withdrawals and classifications; areas withdrawn for reclamation; and areas restored to entry within national forests (Act of June 11, 1906, 34 Stat. 223, 16 U.S.C. 506-509), within reclamation projects (Act of June 17, 1902, 32 Stat. 388), and within power site reserves (Act of June 10, 1920, 41 Stat. 1063, 16 U.S.C. 791). These lands are not covered by any non-Federal right or claim other than permits, leases, rights-of-way, and unreported mining claims.

² Data are incomplete.

³ "Land Utilization Project" lands purchased by Federal government under Title III of the Bankhead-Jones Farm Tenant Act, and subsequently transferred from jurisdiction of the U.S. Department of Agriculture to the U.S. Department of the Interior and now administered by the Bureau of Land Management.

⁴ Excludes reclamation and forest homesteads.

TABLE 12.—Area of national forests, 1960

Area	State or possession	Area under Forest Service administration		Other lands	Total
		Public lands	Other Federal		
	STATES	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	California.....	19,667,350	296,009	4,334,012	24,297,371
	Oregon.....	14,404,235	534,571	1,963,195	16,902,001
	Washington.....	9,447,525	241,094	1,053,916	10,742,535
	Total Area 1.....	43,519,110	1,071,674	7,351,123	51,941,907
2	Arizona.....	11,381,258	303	775,016	12,156,577
	Idaho.....	19,933,619	415,782	1,296,855	21,646,256
	Nevada.....	5,037,821	20,207	320,855	5,378,883
	Utah.....	7,709,764	212,237	1,121,327	9,043,328
	Total Area 2.....	44,062,462	648,529	3,514,053	48,225,044
3	Colorado.....	13,718,838	631,649	1,514,240	15,864,727
	Kansas.....		107,114		107,114
	Montana.....	16,623,309	12,421	2,420,524	19,056,254
	Nebraska.....	197,578	142,138	1,181	340,897
	New Mexico.....	8,491,944	506,049	1,024,128	10,022,121
	North Dakota.....	103,530	1,001,320		1,104,850
	Oklahoma.....	440	267,443	189,595	457,478
	South Dakota.....	1,201,596	802,408	284,070	2,288,074
	Texas.....		775,263	1,058,971	1,834,234
	Wyoming.....	8,673,657	470,598	454,232	9,598,487
	Total Area 3.....	49,010,892	4,716,403	6,946,941	60,674,236
4	Alaska.....	20,742,216	8	35,256	20,777,480
	Eastern States Office:				
	Alabama.....	25,119	606,653	659,694	1,291,466
	Arkansas.....	1,030,575	1,374,455	1,223,012	3,628,042
	Florida.....	162,193	912,565	147,902	1,222,660
	Georgia.....		786,438	1,137,930	1,924,368
	Illinois.....	420	210,593	591,370	802,383
	Indiana.....		121,930	603,710	725,640
	Iowa.....		5,296		5,296
	Kentucky.....		459,084	952,605	1,411,689
	Louisiana.....	435	591,131	566,565	1,158,131
	Maine.....		50,021	43,727	93,748
	Massachusetts.....		1,651		1,651
	Michigan.....	266,601	2,292,811	2,551,451	5,110,863
	Minnesota.....	1,140,793	1,646,614	2,277,869	5,065,276
	Mississippi.....	1,670	1,132,303	1,342,640	2,476,613
	Missouri.....	1,796	1,372,777	2,023,206	3,397,779
	New Hampshire.....		677,559	127,406	804,965
	New York.....		13,747		13,747
	North Carolina.....		1,124,152	2,099,692	3,223,844
	Ohio.....		106,655	1,348,458	1,455,113
	Pennsylvania.....		470,869	242,115	712,984
	South Carolina.....		587,273	787,169	1,374,442
	Tennessee.....		595,982	617,129	1,213,111
	Vermont.....		231,901	397,108	629,009
	Virginia.....		1,448,815	1,776,336	3,225,151
	West Virginia.....		903,980	920,645	1,824,625
	Wisconsin.....	7,962	1,400,781	556,821	2,025,564
	Total Eastern States Office.....	2,637,564	19,186,036	22,994,560	44,818,160
	Total United States.....	159,972,244	25,622,650	40,841,933	226,436,827
	Puerto Rico.....	12,384	20,680	153,118	186,182
	Grand total.....	159,984,628	25,643,330	40,995,051	226,623,009

NOTE.—Includes purchase units, experimental areas, and land utilization projects.

Source: Forest Service, U.S. Department of Agriculture.

TABLE 13.—*Area of Oregon and California revested lands, 1960*

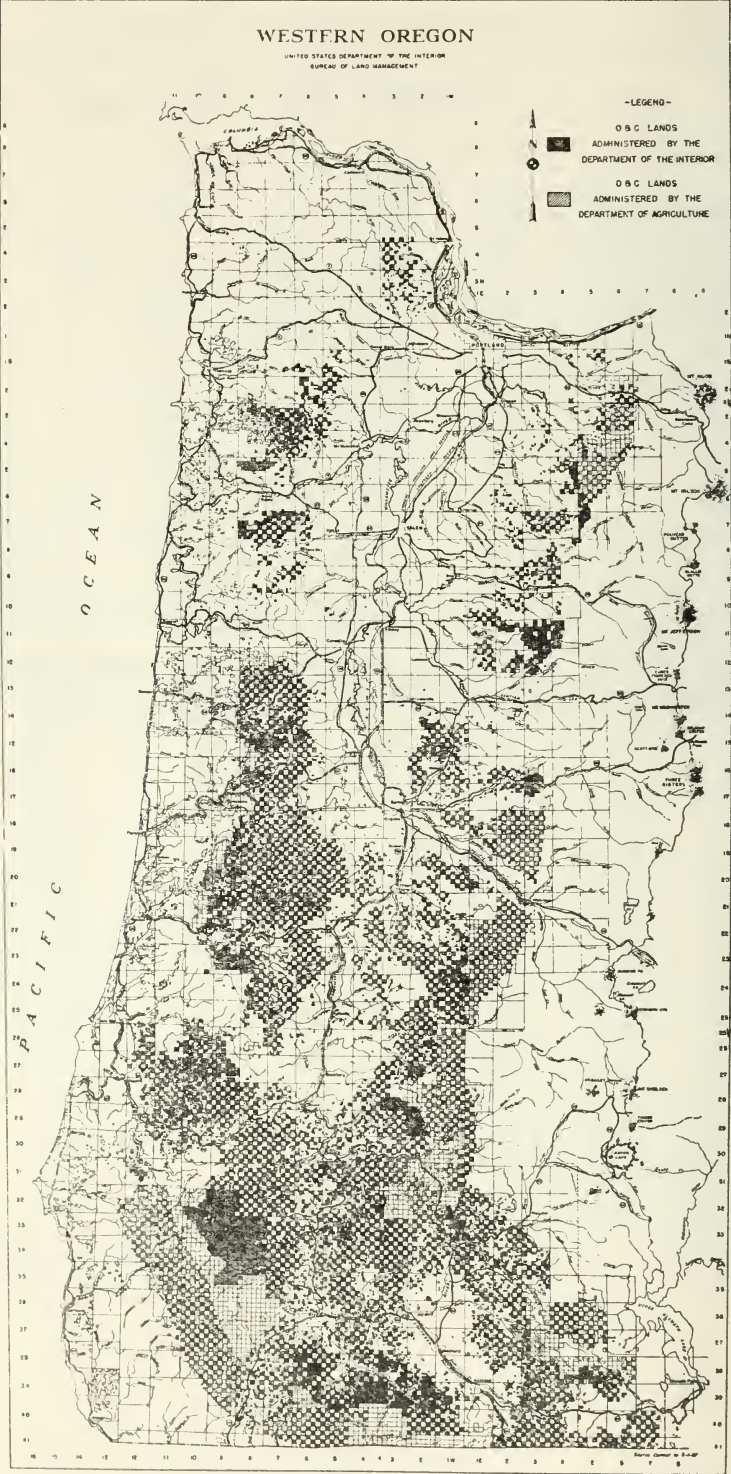
County	O&C lands ¹	Contro- verted O&C lands ²	Special act O&C lands ³	Coos Bay lands ⁴	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton.....	50, 776	-----	1, 720	-----	52, 496
Clackamas.....	50, 170	35, 949	5, 688	-----	91, 807
Columbia.....	11, 079	-----	-----	-----	11, 079
Coos.....	98, 839	23, 002	-----	59, 446	181, 287
Curry.....	36, 760	56, 735	-----	-----	93, 495
Douglas.....	610, 745	95, 641	-----	14, 638	721, 024
Jackson.....	388, 586	25, 332	20, 971	-----	434, 889
Josephine.....	257, 138	109, 244	182	-----	366, 564
Klamath.....	46, 343	20, 962	-----	-----	67, 305
Lane.....	279, 012	95, 312	-----	-----	374, 324
Lincoln.....	9, 220	-----	-----	-----	9, 220
Linn.....	85, 675	520	-----	-----	86, 195
Marion.....	20, 712	-----	-----	-----	20, 712
Multnomah.....	4, 247	-----	-----	-----	4, 247
Polk.....	41, 045	-----	1, 160	-----	42, 205
Tillamook.....	27, 570	-----	-----	-----	27, 570
Washington.....	11, 695	-----	-----	-----	11, 695
Yamhill.....	41, 376	-----	-----	-----	41, 376
Total.....	2, 070, 988	462, 697	29, 721	74, 084	2, 637, 490

¹ Excludes O&C timber on non-Federal land as follows: Columbia County, 322 acres; Yamhill County, 243 acres.

² Under the provisions of Public Law 426, 83d Cong., approved June 24, 1954, these lands were declared to be revested O&C railroad grant lands. They were placed under the jurisdiction of the Secretary of Agriculture, to be administered with National Forest lands; *Provided*, that all revenues derived from such lands shall be handled in accordance with the provisions of Title II of the O&C Act of August 28, 1937 (50 Stat. 874), as amended by Public Law 426.

³ Certain O&C areas were set aside by various Acts of Congress to be administered by the Forest Service without losing their O&C identity. The lands in Benton, Clackamas, Jackson and Polk Counties are watershed lands, and the land in Josephine County is an administrative site.

⁴ Excludes Coos Bay Wagon Road timber on 87 acres of non-Federal land in Coos County.



PART 2

LANDS

In carrying out its responsibilities for administering the Federal laws which determine tenure and status of the public lands to private ownership, by transfer to other Government agencies and withdrawal and restorations actions, the Bureau issued 13,662 patents during fiscal 1960 which transferred 511,558 acres of public lands from Federal ownership (table 17). There were also 2,373 original entries and selections covering 1,295,498 acres and 11,710 final entries covering 270,342 acres (tables 14 and 16). Patents or certificates were issued for 364 homesteads which involved 43,845 acres (table 17). The total of other patents and certifications was 13,298 and these covered 467,713 acres (table 18).

As of June 30, 1960 there were 58,968,132 acres of patented lands on which the minerals were reserved to the United States (table 19). A total of 397,915 acres were patented with minerals reserved to the United States during 1960 (table 20).

The Bureau of Land Management allowed original homestead entries on 147,917 acres (table 15) during 1960 and 43,845 acres (table 17) of homesteads were patented during the same period.

In 1960, 164,689 acres of Federal lands were exchanged for 158,662 acres of State or private land (table 25).

During the same period 180,163 acres were withdrawn from all forms of entry, while withdrawals were revoked on 1,259,880 acres (table 26).

On June 30, 1960 there were 8,982 small tract leases covering 33,072 acres (table 30) in effect. The annual rental paid to the Bureau for these leases was \$103,179 (table 30). 1,206 of these leases covering 3,827 acres (table 30) were issued during the past year. 9,813 small tracts covering 38,127 acres (table 30) were sold in the same period.

Special land use permits covering 914,024 acres were in effect as of June 30, 1960 (table 31). Rentals in the amount of \$13,356 were charged for 230,198 of these acres (table 31).

There were 125 miscellaneous leases in effect on June 30, 1960, covering 49,570 acres (table 32). The annual rental for these leases was \$9,021 (table 32).

On June 30, 1960, there were 5,674 unperfected entries pending involving 840,617 acres (table 33).

DEFINITIONS OF TERMS

Acquired land:

Lands in Federal ownership which are not public lands as defined below, acquired lands having been obtained by the Government through purchase, condemnation or gift, or by exchange for purchased, condemned or donated lands, or for timber on such lands.

Carey Acts:

The Acts of August 18, 1894 (28 Stat. 372), and March 15, 1910 (36 Stat. 237, 43 U.S.C. sec. 643), which provides for grants of desert lands to States for disposition to bona fide settlers.

Ceded Indian lands:

Public lands, Indian tribal title to which was relinquished to the United States by the Indians on condition that part or all of the proceeds from their sale or other disposition would be covered into the Treasury in trust for the Indians.

Certification:

The act of final approval of a State selection by the Director; also, the document which passes title to the selected lands to the State; also, a document which attests to the truth or authenticity of papers attached to it.

Disposition:

A transaction which leads to the transfer of public lands, and/or resources in these lands, from the Federal Government.

Entry:

An application to acquire title to public lands:

Entry allowed:

An application to acquire title to public lands which has been approved, either as an

Original entry:

Where the applicant is permitted to proceed with earning title to the land or as a

Final entry:

Where all the requirements of law and regulations have already been complied with. A final entry may be a

Cash entry:

Where the entryman pays cash or its equivalent, or a

Commuted entry:

When the entryman pays the statutory price for the lands, in consideration for reduction of residence and improvement requirements.

Entry, unperfected:

An original entry has been allowed, but the entryman has not met all of the requirements of the law and/or regulations to permit him to make final entry for patent.

Exchange:

A transaction whereby the Federal Government receives land in exchange for other land and/or timber.

Private exchange:

An exchange between the Federal Government and any landowner other than a State.

State exchange:

An exchange between the Federal Government and a State.

Taylor Act exchange:

An exchange which is consummated under the provisions of section 8 of the Taylor Grazing Act.

Federal land:

All classes of land owned by the Federal Government.

Isolated tract:

A parcel of vacant public lands, not exceeding 1,520 acres, which is surrounded by appropriated lands.

Patent:

A document which conveys legal title to public lands.

Pittman Act entry:

An entry of public lands in Nevada made by an individual or association of individuals who earned the right to acquire title to the lands through discovery of underground sources of water.

Public auction:

A sale of lands through competitive, usually oral, bidding.

Public land or public domain lands:

Original public domain lands which have never left Federal ownership; also, lands in Federal ownership which were obtained by the Government in exchange for public lands or for timber on public lands.

Public purpose:

Any authorized activity undertaken by a governmental agency or unit; also, any activity which serves the interest of the general public consistent with public policy.

Reclamation homestead entry:

An entry initiated under the Act of June 17, 1902 (32 Statute 388; 43 U.S.C., sec. 43 et seq.), which provides for the issuance of patents to entrymen who settle upon and improve agricultural public lands, not exceeding 160 acres in size, within reclamation projects.

Reclamation sale:

Sale of excess or nonirrigable public lands within reclamation projects.

Recreational entry:

A cash entry for public lands by a State, county, municipality, or other local governmental agency, or by a nonprofit organization, which are to be used for recreational purposes.

Reservation:

A withdrawal, usually of a permanent nature; also, any Federal lands which have been dedicated to a specified public purpose.

Reserved land:

Federal lands which are dedicated or set aside for a specific public purpose or program, and which are, therefore, generally not subject to disposition under the operation of all of the public land laws.

Restoration:

An action, concurrent with or following a revocation, which affects the opening to disposition of public lands in a withdrawal; also, in respect to ceded Indian lands, an action which returns lands to tribal ownership.

Revocation:

Generally, an action which cancels a previous official act; specifically, an action which cancels a withdrawal.

Selection:

In general, an application to acquire title to public lands which is submitted by an applicant who acquired the right to apply for such lands by receipt of a grant, by surrender of his own lands in an exchange, by relinquishment of his rights to other lands (lieu selection), by surrender of scrip or by similar means.

Small tract:

A parcel of public lands of 5 acres or less which has been found chiefly valuable for sale or lease as a home, recreation, business, or community site under the Act of June 1, 1938 (53 Stat. 609; 43 U.S.C. 682 a-c), as amended.

Special land use permit:

A permit which authorizes the use of public lands for purposes not specifically authorized, or forbidden, by law.

Vacant public land:

Public land or public domain land which is not reserved, appropriated, or set aside for a specific or designated purpose.

Withdrawal:

An action which restricts the disposition of public lands and which holds them for specific public purposes; also, public lands which have been dedicated to public purposes.

TABLE 14.—*Original and final entries and original selections received, 1960*

Area	Land office	Original entries and selections		Final entries	
		<i>Number</i>	<i>Acres</i>	<i>Number</i>	<i>Acres</i>
1	Los Angeles.....	15	3, 481. 46	4, 770	26, 493. 83
	Sacramento.....	22	4, 292. 16	446	9, 735. 68
	Portland.....	7	703. 75	33	1, 195. 29
	Spokane.....	53	22, 402. 12	72	3, 948. 65
	Total Area 1.....	97	30, 879. 49	5, 321	41, 373. 45
2	Phoenix.....	144	83, 092. 77	1, 740	23, 640. 39
	Boise.....	98	23, 608. 86	344	45, 255. 45
	Reno.....	112	36, 828. 71	2, 286	21, 589. 84
	Salt Lake City.....	8	1, 529. 86	132	6, 764. 82
	Total Area 2.....	362	145, 060. 20	4, 502	97, 250. 50
3	Denver.....	4	80. 00	328	32, 261. 00
	Billings.....	14	2, 635. 75	182	17, 367. 63
	Santa Fe.....	28	4, 015. 20	258	23, 775. 00
	Cheyenne.....	69	9, 331. 38	274	35, 820. 67
	Total Area 3.....	115	16, 062. 33	1, 042	109, 224. 30
4	Anchorage.....	1, 407	854, 197. 27	433	12, 767. 77
	Fairbanks.....	342	84, 372. 11	152	2, 966. 90
	Juneau.....	47	164, 650. 56	131	813. 21
	Total Area 4.....	1, 796	1, 103, 219. 94	716	16, 547. 88
	Eastern States Office.....	3	276. 52	122	5, 622. 36
	Grand total.....	2, 373	1, 295, 498. 48	11, 703	270, 018. 49

TABLE 15.—*Original entries and selections allowed, 1960*

Area	Type of entry and land office	Number	Acres	Fees and commissions	Purchase money
Homestead Entries					
1	Los Angeles.....	1	40.00	\$13.05	-----
	Oregon.....	2	320.00	32.00	-----
	Washington.....	2	320.00	48.00	-----
	Total Area 1.....	5	680.00	93.05	-----
2	Arizona.....	2	480.00	38.00	-----
	Idaho.....	3	400.15	45.05	-----
	Nevada.....	8	1,200.00	109.00	-----
	Utah.....	5	1,229.20	46.40	-----
	Total Area 2.....	18	3,309.35	238.45	-----
3	New Mexico.....	7	1,040.00	94.00	-----
	Wyoming.....	1	319.17	21.97	-----
	Total Area 3.....	8	1,359.17	115.97	-----
4	Anchorage.....	846	117,932.56	11,318.97	118.75
	Fairbanks.....	191	23,875.00	2,257.00	-----
	Juneau.....	9	760.85	79.00	-----
	Total Area 4.....	1,046	142,568.41	13,654.97	118.75
Total Homestead Entries.....		1,077	147,916.93	14,102.44	118.75
Desert Land Entries					
1	Los Angeles.....	2	360.00	20.00	90.00
	Sacramento.....	1	320.00	15.00	80.00
	Oregon.....	1	110.18	-----	26.38
	Washington.....	1	130.10	47.50	-----
	Total Area 1.....	5	920.28	82.50	196.38
2	Idaho.....	92	23,119.24	5,955.00	5,633.46
	Nevada.....	98	26,508.71	1,265.00	6,637.43
	Utah.....	2	280.00	-----	70.00
	Total Area 2.....	192	49,907.95	7,220.00	12,340.89
3	Colorado.....	1	30.00	22.25	-----
	New Mexico.....	11	2,280.00	165.00	570.00
	Wyoming.....	4	729.55	-----	182.40
	Total Area 3.....	16	3,039.55	187.25	752.40
Total Desert Land Entries.....		213	53,867.78	7,489.75	13,289.67
Mineral Applications					
1	Los Angeles.....	1	19.67	10.00	100.00
	Sacramento.....	9	741.00	90.00	-----
	Oregon.....	4	273.57	40.00	-----
	Total Area 1.....	14	1,034.24	140.00	100.00
2	Arizona.....	58	44,226.96	580.00	-----
	Idaho.....	3	89.47	30.00	-----
	Nevada.....	5	6,560.00	50.00	-----
	Utah.....	1	20.66	10.00	-----
	Total Area 2.....	67	50,897.09	670.00	-----
3	Colorado.....	3	50.00	30.00	-----
	Montana.....	2	2,636.75	140.00	7,552.50
	New Mexico.....	10	695.20	100.00	2,800.00
	Wyoming.....	64	8,282.66	640.00	18,942.50
	Total Area 3.....	91	11,664.61	910.00	29,295.00
4	Juneau.....	1	138.63	10.00	-----
	Eastern States Office.....	3	276.52	30.00	1,225.00
	Total Mineral Applications.....	176	64,011.09	1,760.00	30,620.00

See footnotes at end of table.

TABLE 15.—*Original entries and selections allowed, 1960—Continued*

Area	Type of entry and land office	Number	Acres	Fees and commissions	Purchase money
Pittman Act Applications					
2	Nevada.....	1	2,560.00	25.60	-----
Other					
1	Los Angeles.....	³ 11	3,061.79	46.00	-----
	Sacramento.....	⁴ 12	3,231.16	68.87	-----
	Washington.....	³ 50	21,952.02	-----	-----
	Total Area 1.....	73	28,244.97	114.87	-----
2	Arizona.....	³ 84	38,385.81	242.00	-----
4	Anchorage.....	⁵ 561	736,264.71	5,500.00	-----
	Fairbanks.....	⁶ 151	60,497.11	1,060.00	-----
	Juneau.....	⁷ 37	163,751.08	860.00	-----
	Total Area 4.....	749	960,512.90	7,420.00	-----
	Total Others.....	906	1,027,143.68	7,776.87	-----
	Grand Total.....	2,373	1,295,499.48	31,154.66	\$44,028.42

¹ Reclamation—Act of June 17, 1902 (32 Stat. 388).² Includes 5 South Dakota applications for 470.71 acres, \$50 fees and commissions, and \$1,860 purchase money.³ State selections.⁴ Includes 2 railroad selections, 350.60 acres; 10 State selections, 2,880.56 acres.⁵ 48 headquarters sites, 915.91 acres, \$480; 62 homesites, 386.37 acres, \$620; 11 Indian allotments, 1,407.26 acres; 113 T&M sites, 5,747.24 acres, \$1,130; 327 State selections 727,807.93 acres, \$3,270.⁶ 11 headquarters sites, 54.91 acres, \$110; 38 homesites, 189.34 acres, \$380; 55 Indian allotments, 7,100 acres; 37 T&M sites, 1,552.86 acres, \$370; 10 State selections, 51,600.00 acres, \$200.⁷ 6 headquarters sites, 18.94 acres, \$70; 12 homesites, 50.77 acres, \$100; 11 Indian allotments, 1,600.42 acres; 3 T&M sites, 80.95 acres, \$30; 5 State selections, 162,000 acres, \$660.TABLE 16.—*Final entries approved, 1960*

Area	Type of entry by States	Number	Acres	Fees and commissions	Purchase money
Homestead Entries					
1	California:				
	Los Angeles.....	3	320.00	\$15.00	-----
	Sacramento.....	¹ 4	279.45	-----	-----
	Oregon.....	2	98.91	20.63	-----
	Washington.....	2	200.00	50.50	-----
	Total Area 1.....	11	898.36	86.13	-----
2	Arizona.....	1	160.00	13.25	-----
	Idaho.....	128	17,480.70	926.88	-----
	Nevada.....	18	2,273.09	140.00	-----
	Utah.....	12	2,812.66	132.65	-----
	Total Area 2.....	159	22,726.45	1,212.78	-----
3	Colorado.....	4	620.00	36.70	-----
	Montana.....	² 50	4,165.66	89.30	-----
	Nebraska.....	³ 14	1,439.30	36.45	-----
	New Mexico.....	5	719.20	72.00	-----
	South Dakota.....	2	307.23	3.82	-----
	Wyoming.....	⁴ 11	2,050.97	76.50	-----
	Total Area 3.....	86	9,302.36	314.77	\$164.26
4	Anchorage.....	85	9,604.89	458.25	3,218.84
	Fairbanks.....	23	2,065.89	128.40	-----
	Juneau.....	5	175.41	55.52	-----
	Total Area 4.....	113	11,846.19	642.17	3,218.84

See footnotes at end of table.

TABLE 16.—*Final entries approved, 1960—Continued*

Area	Type of entry by States	Number	Acres	Fees and commissions	Purchase money
Homestead Entries—Continued					
Eastern States Office:					
	Alabama.....	3	160.07	-----	-----
	Florida.....	1	80.26	-----	-----
	Louisiana.....	2	43.02	-----	-----
	Minnesota.....	1	40.00	-----	-----
	Total Eastern States Office.....	7	323.35	-----	-----
	Total homestead entries.....	376	45,096.71	2,255.85	3,383.10
Desert Land Entries					
1	California:				
	Los Angeles.....	17	3,761.16	80.00	3,761.16
	Oregon.....	3	308.91	5.00	309.00
	Total Area 1.....	20	4,070.07	85.00	4,070.16
2	Arizona.....	18	4,904.00	39.25	4,904.00
	Idaho.....	88	19,628.52	-----	19,639.64
	Nevada.....	19	4,211.64	45.00	4,214.00
	Utah.....	12	2,262.27	-----	2,262.27
	Total Area 2.....	137	31,006.43	84.25	31,019.91
3	New Mexico.....	4	1,039.06	-----	1,040.00
	Wyoming.....	18	3,515.87	-----	3,515.87
	Total Area 3.....	22	4,554.93	-----	4,555.87
	Total desert land entries.....	179	39,631.43	169.25	39,645.94
Public Auction Sales					
1	California:				
	Los Angeles.....	11	2,169.60	-----	89,632.15
	Sacramento.....	51	7,761.96	-----	145,119.87
	Oregon.....	3	673.82	-----	21,505.00
	Washington.....	22	1,963.33	-----	65,597.64
	Total Area 1.....	87	12,568.71	-----	321,854.66
2	Arizona.....	42	7,640.94	-----	216,757.12
	Idaho.....	50	5,277.40	-----	52,490.45
	Nevada.....	6	1,387.33	-----	8,370.00
	Utah.....	11	1,315.54	-----	4,849.59
	Total Area 2.....	109	15,621.21	-----	282,467.16
3	Colorado.....	281	29,851.00	-----	193,110.52
	Montana.....	39	4,486.92	-----	45,400.93
	New Mexico.....	51	19,270.83	-----	121,050.05
	North Dakota.....	6	520.00	-----	6,144.00
	Oklahoma.....	54	115.26	-----	2,652.50
	South Dakota.....	5	543.34	-----	3,494.00
	Wyoming.....	63	8,459.37	-----	93,419.81
	Total Area 3.....	449	63,246.77	-----	465,271.81
Eastern States Office:					
	Alabama.....	1	90.30	-----	7,175.67
	Arkansas.....	4	210.14	-----	2,075.00
	Florida.....	6	224.53	-----	42,450.00
	Minnesota.....	19	1,074.23	-----	3,527.61
	Mississippi.....	1	39.95	-----	903.89
	Michigan.....	1	0.54	-----	230.00
	Total Eastern States Office.....	32	1,639.69	-----	56,362.17
	Total public auction sales.....	677	93,076.38	-----	1,125,955.80

See footnotes at end of table.

TABLE 16.—*Final entries approved, 1960*—Continued

Area	Type of entry by States	Number	Acres	Fees and commissions	Purchase money
Mineral Entries					
1	California:				
	Los Angeles.....	1	320.00	10.00	800.00
	Sacramento.....	7	408.00	70.00	1,575.00
	Oregon.....	4	74.91	40.00	250.00
	Washington.....	3	48.53	-----	250.00
	Total Area 1.....	15	851.44	120.00	2,875.00
2	Arizona.....	32	5,017.96	-----	18,050.00
	Idaho.....	14	853.74	-----	2,695.00
	Nevada.....	2	470.60	10.00	1,235.00
	Utah.....	3	46.64	30.00	240.00
	Total Area 2.....	51	6,388.94	40.00	22,220.00
3	Colorado.....	4	1,605.00	40.00	4,557.50
	Montana.....	7	2,152.95	70.00	5,617.50
	New Mexico.....	10	695.20	100.00	2,800.00
	South Dakota.....	6	276.55	60.00	890.00
	Wyoming.....	107	17,420.97	-----	51,499.68
	Total Area 3.....	134	22,150.67	270.00	65,364.68
4	Juneau.....	1	20.00	-----	50.00
	Total mineral entries.....	201	29,411.05	430.00	90,509.68
Miscellaneous Cash Entries					
Color-of-title entries					
2	Nevada.....	1	170.64	-----	530.00
3	Colorado.....	1	40.00	10.00	600.00
	New Mexico.....	2	18.09	20.00	244.20
	Total Area 3.....	3	58.09	30.00	844.20
Eastern States Office:					
	Alabama.....	25	1,226.91	250.00	4,306.50
	Arkansas.....	6	251.64	60.00	366.75
	Florida.....	13	255.52	70.00	15,195.54
	Louisiana.....	14	1,037.88	140.00	5,538.80
	Michigan.....	1	40.00	10.00	50.00
	Mississippi.....	19	883.67	190.00	2,869.05
	Wisconsin.....	2	91.46	20.00	7,028.00
	Total Eastern States Office.....	80	3,787.08	740.00	35,354.64
	Total color-of-title entries.....	84	4,015.81	770.00	36,728.84
Small tract sales					
1	California:				
	Los Angeles.....	4,724	19,895.13	39,990.00	1,031,807.80
	Sacramento.....	371	1,217.34	3,710.00	160,313.15
	Oregon.....	21	38.74	210.00	1,262.00
	Washington.....	29	72.50	-----	15,685.00
	Total Area 1.....	5,145	21,223.71	43,910.00	1,209,067.95
2	Arizona.....	1,643	5,856.75	13,796.00	1,143,538.14
	Idaho.....	42	16.15	460.00	5,349.00
	Nevada.....	2,226	8,645.86	22,226.00	670,182.50
	Utah.....	92	283.56	-----	44,435.00
	Total Area 2.....	4,003	14,802.32	36,482.00	1,863,504.64
3	Colorado.....	35	119.00	350.00	20,805.00
	Montana.....	3	14.66	30.00	650.00
	New Mexico.....	172	684.67	1,070.00	48,215.00
	Wyoming.....	19	78.47	-----	4,434.00
	Total Area 3.....	229	896.80	1,450.00	74,104.00

See footnotes at end of table.

TABLE 16.—*Final entries approved, 1960—Continued*

Area	Type of entry by States	Number	Acres	Fees and commissions	Purchase money
Miscellaneous Cash Entries—Continued					
Small tract sales—Continued					
4	Anchorage.....	258	665.96	2,580.00	104,116.00
	Fairbanks.....	108	385.90	1,080.00	32,400.00
	Juneau.....	81	254.00	-----	23,124.97
	Total Area 4.....	447	1,305.86	3,660.00	159,640.97
Eastern States Office:					
	Michigan.....	1	1.50	10.00	800.00
	Minnesota.....	1	2.88	10.00	864.00
	Total Eastern States office.....	2	4.38	20.00	1,664.00
	Total small tract sales.....	9,826	38,233.07	85,522.00	3,307,981.56
Townlot sales					
1	California.....	12	2.94	-----	4,200.00
	Sacramento.....	10	3.88	-----	13,400.00
	Total Area 1.....	22	6.82	-----	17,600.00
2	Idaho.....	1	1.00	-----	162.00
	Nevada.....	10	8.68	-----	926.75
	Total Area 2.....	11	9.68	-----	1,088.75
3	Colorado.....	1	1.00	-----	63.00
	Montana.....	6	9.45	-----	670.00
	Wyoming.....	4	46.36	-----	1,010.60
	Total Area 3.....	11	56.81	-----	1,743.60
	Total townlot sales.....	44	73.31	-----	20,432.35
Recreation and Public Purposes Act Sales					
1	California:				
	Los Angeles.....	2	25.00	20.00	15,000.00
	Sacramento.....	3	65.05	-----	910.00
	Washington.....	3	363.85	-----	1,636.00
	Total Area 1.....	8	453.90	20.00	17,546.00
2	Idaho.....	5	230.00	260.00	1,205.00
	Nevada.....	1	120.00	-----	200.00
	Utah.....	2	44.15	-----	176.60
	Total Area 2.....	8	394.15	260.00	1,581.60
3	Montana.....	2	77.10	20.00	112.00
	Nebraska.....	1	7.90	-----	145.00
	New Mexico.....	4	417.50	40.00	9,558.00
	North Dakota.....	1	17.25	10.00	344.00
	Oklahoma.....	2	640.68	20.00	1,737.00
	Wyoming.....	2	160.00	-----	485.00
	Total Area 3.....	12	1,320.43	90.00	12,381.00
Eastern States Office:					
	Florida.....	1	70.37	10.00	23,040.00
	Minnesota.....	1	3.35	10.00	404.00
	Wisconsin.....	2	3.10	20.00	490.00
	Total Eastern States office.....	4	76.82	40.00	23,934.00
	Total recreation and public purposes act.....	32	2,245.30	410.00	55,442.60
Other cash sales					
1	Washington.....	⁶ 12	1,020.44	-----	-----
2	Idaho.....	⁶ 16	1,767.94	-----	-----
	Nevada.....	⁷ 2	1,742.00	-----	11,702.72
	Total Area 2.....	18	3,509.94	-----	11,702.72

See footnotes at end of table.

TABLE 16.—*Final entries approved, 1960—Continued*

Area	Type of entry by States	Number	Acres	Fees and commissions	Purchase money
Miscellaneous Cash Entries—Continued					
Other cash sales—Continued					
3	Colorado.....	2	25.00	20.00	209.00
	Montana.....	⁸ 55	4,797.52		6,699.61
	Wyoming.....	⁹ 35	2,641.46		
	Total Area 3.....	92	7,463.98	20.00	6,908.61
4	Anchorage.....	¹⁰ 85	1,771.33	520.00	49,445.93
	Fairbanks.....	¹¹ 21	515.11		3,190.80
	Juneau.....	¹² 33	235.94	159.00	2,705.89
	Total Area 4.....	139	2,522.38	679.00	55,342.62
	Eastern States Office: Missouri.....	¹³ 4	114.39		143.75
	Total other cash sales.....	265	14,631.13	699.00	74,097.70
	Total miscellaneous cash entries.....	10,251	59,198.62	87,401.00	3,494,683.05
Other Entries					
1	Washington.....	¹⁴ 1	280.00		
2	Arizona.....	¹⁵ 4	60.74		
	Nevada.....	¹⁶ 1	2,560.00	25.60	
	Total Area 2.....	5	2,620.74	25.60	
3	New Mexico.....	¹⁷ 4	174.46		
4	Anchorage.....	¹⁸ 5	725.59		
	Juneau.....	¹⁸ 11	127.86		
	Total Area 4.....	16	853.45		
	Total other entries.....	26	3,928.65	25.60	
	Grand total.....	11,710	270,343.04	90,281.70	4,754,177.57

¹ Reclamation homesteads, act of August 13, 1953 (67 Stat. 556).

² Includes 30 ceded Indian entries, Flathead Tribe (act of Apr. 23, 1904, 33 Stat. 302), 1,823.80 acres, \$5.50 fees and commissions; 2 ceded Indian entries, Crow Tribe (act of Apr. 27, 1904, 33 Stat. 352), 88.98 acres, \$3.34 fees and commissions.

³ Reclamation homesteads, act of June 17, 1902 (32 Stat. 388).

⁴ Includes 7 reclamation homesteads (act of June 17, 1902, 32 Stat. 388), 1,279.05 acres, \$47.96 fees and commissions; 3 reclamation homesteads (act of Mar. 3, 1905, 731.92 acres, \$27.54 fees and commissions, \$164.26 purchase money (Shoshone-Arapahoe Indian payment act, Mar. 3, 1905)).

⁵ Includes entry (act of Aug. 3, 1955), 80 acres, \$670 purchase money.

⁶ Reclamation sales, act of Mar. 31, 1950 (64 Stat. 39).

⁷ Public Law 522 (city of Henderson).

⁸ 53 reclamation sales, 4,782.13 acres; 1 act of June 16, 1950 (64 Stat. 333), 14.72 acres, \$6,499.61 purchase money; 1 act of Aug. 14, 1958 (Private Law 85-573), 0.67 acres, \$200 purchase money.

⁹ 2 act of Oct. 19, 1949 (63 Stat. 883), 121.31 acres; 33 act of Mar. 31, 1950 (64 Stat. 39), 2,520.15 acres.

¹⁰ Includes 16 Matanuska Valley sales, 1,129.48 acres, \$13,745.80 purchase money, 29 homesites, 135.95 acres, \$290 fees, \$339.88 purchase money; 7 trade and manufacturing sites, 84.32 acres, \$70 fees, \$210.80 purchase money; 15 headquarters sites, 65.34 acres, \$150 fees, \$163.35 purchase money; 3 R&PP sites, 238.46 acres, \$1,873.45 purchase money; 3 Alaska public sales 29.49 acres, \$1,600 purchase money; 1 soldier's additional homestead, 15.99 acres, \$10 fees; 10 townlots, 2.30 acres, \$30,882.65 purchase money; 1 isolated tract sale, 70 acres \$630 purchase money.

¹¹ Include 8 homesite sales, 32.05 acres, \$91.85; 4 trade and manufacturing sites, 165.53 acres, \$420.00; 2 headquarters sites, 7.16 acres, \$20.28; 3 Alaska public sales, 1.64 acres, \$1,950.00; 3 townsites, 1.79 acres, \$325.00; 1 mission site, 306.94 acres, \$383.67. All purchase money.

¹² Includes 2 townsites sale, 0.48 acre, \$129.00 fees; 16 homesites, 50.85 acres, \$178.81 purchase money; 3 headquarters sites, 11.99 acres, \$31.73 purchase money; 1 trade and manufacturing site, 20.94 acres, \$52.35 purchase money; 10 R&PP sites, 142.00 acres, \$30.00 fees, \$643.00 purchase money; 1 Alaska public sale, 9.48 acres, \$1,800.00 purchase money.

¹³ Act of May 18, 1893 (30 Stat. 418).

¹⁴ Airport grant, act of May 13, 1946 (60 Stat. 179).

¹⁵ Land and water right entries, act of Jan. 25, 1917 (39 Stat. 868 as amended).

¹⁶ Pittman Act.

¹⁷ 1 entry act of Mar. 3, 1891 (26 Stat. 861 as amended), 13.02 acres; 2 entries, act of June 7, 1924 (43 Stat. 636), 1.44 acres; 1 entry, act of Feb. 8, 1887 (24 Stat. 388 as amended), 160 acres.

¹⁸ Indian allotments.

NOTE.—Alaska State selections tentatively approved, 2 Anchorage, 11,006 acres; 1 Fairbanks, 1,045 acres; 2 Juneau, 1,200 acres.

TABLE 17.—Patents issued, 1960

Area	State	Homestead 1		Desert land		Public auction		Mineral 2	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	California.....	7	521.95	15	3,481.16	68	10,918.93	8	558.15
	Oregon.....	2	98.91	4	428.91	4	4	5	195.38
	Washington.....	2	200.00	---	---	22	1,963.33	3	48.53
	Total Area 1.....	11	820.86	19	3,910.07	94	13,776.08	16	802.06
2	Arizona.....	1	160.00	21	5,471.21	59	10,107.96	15	1,941.13
	Idaho.....	126	17,242.81	83	18,481.01	49	5,305.52	14	853.75
	Nevada.....	16	2,113.10	21	4,571.64	6	1,387.33	2	470.66
	Utah.....	13	2,852.66	12	2,259.47	14	2,002.53	4	302.07
	Total Area 2.....	156	22,368.57	137	30,783.33	128	18,803.34	35	3,567.61
3	Colorado.....	4	858.55	---	---	287	30,223.39	5	2,245.32
	Montana.....	44	3,993.20	---	---	37	3,073.92	10	2,352.95
	Nebraska.....	---	---	---	---	---	---	---	---
	New Mexico.....	6	819.20	8	2,003.50	50	20,853.58	9	675.20
	North Dakota.....	---	---	---	---	6	520.00	---	---
	Oklahoma.....	---	---	---	---	1	80.00	---	---
	South Dakota.....	---	---	---	---	5	543.34	3	76.55
	Wyoming.....	22	2,614.04	18	3,515.87	60	7,635.55	87	3 18,078.93
	Total Area 3.....	76	8,284.99	26	5,521.37	446	64,935.78	114	23,428.95
	Alaska.....	113	12,007.53	---	---	1	70.00	1	20.00
	Eastern States Office:	---	---	---	---	---	---	---	---
4	Alabama.....	3	160.07	---	---	1	90.30	---	---
	Arkansas.....	---	---	---	---	4	210.14	2	196.52
	Florida.....	2	120.26	---	---	6	224.53	---	---
	Louisiana.....	2	43.02	---	---	---	---	---	---
	Michigan.....	---	---	---	---	1	.54	---	---
	Minnesota.....	1	40.00	---	---	19	1,074.23	---	---
	Mississippi.....	---	---	---	---	1	39.95	---	---
	Total Eastern States Office.....	8	363.35	---	---	32	1,639.69	2	196.52
	Grand total.....	364	43,845.30	182	40,214.77	701	99,224.89	168	4 28,015.14

See footnotes on p. 56.

TABLE 17.—*Patents issued, 1960—Continued*

Area	State	Indian				Miscellaneous cash sale									
		New trust		Fee and reissue trust ¹		Town lot		Color-of-title		Small tract		Recreation and public purposes		Other	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	California.....	17	592.24	116	3,991.90	17	6.19			5,013	20,883.04	6	110.05		
	Oregon.....			17	1,479.42					21	38.74				
	Washington.....			175	16,190.82					29	72.50	3	363.85	6	8,770.44
	Total Area 1.....	17	592.24	308	21,662.14	17	6.19			5,063	20,994.28	9	473.90	12	8,770.44
2	Arizona.....			5	160.00					1,682	6,126.08			7	20.00
	Idaho.....			13	1,855.94	1	.97			41	16.12	5	230.00	8	1,607.94
	Nevada.....			19	3,239.29	10	8.52	1	170.64	2,358	9,149.17	2	112.50	9	1,862.00
	Utah.....			301	221,266.20					104	317.73	2	44.15		
3	Total Area 2.....			338	226,521.43	11	9.49	1	170.64	4,185	15,609.10	9	386.65	22	3,479.94
	Colorado.....									40	137.98	4	465.87		
	Montana.....	3	573.20	279	54,607.18	2	2.11	1	40.00	3	14.66	1	40.00	10	52
	Nebraska.....			21	1,455.43	6	9.44					1	7.90		4,620.63
	New Mexico.....	13	2,108.41	3	475.23			2	18.09	171	680.56	5	432.50		
	North Dakota.....	1	13.51	35	4,280.77							1	17.25		
	Oklahoma.....			88	7,363.92							3	680.09	11	351.68
	South Dakota.....	15	2,528.99	294	57,863.27					19	78.46	2	160.00	12	46
4	Wyoming.....			5	419.98	4	46.32								3,651.36
	Total Area 3.....	32	5,224.11	725	126,465.78	12	57.87	3	58.09	233	911.66	17	1,803.61	109	8,623.67
	Alaska.....					10	2.07			425	1,102.79	1	306.94	13	1,911.42
	Eastern States Office:														
	Alabama.....							25	1,226.90						
	Arkansas.....							6	251.64						
	Florida.....							9	248.09			1	70.37	14	3
	Louisiana.....							14	1,037.88						6.56
	Michigan.....							1	40.00	1	1.50				
	Minnesota.....			19	1,179.58					1	2.88	1	3.35		
	Mississippi.....							21	1,004.11					15	3
	Missouri.....														75.00
	Wisconsin.....			1	33.25							2	3.10		
	Total Eastern States Office.....			20	1,212.83			76	3,808.62	2	4.38	4	76.82	6	81.56
Grand Total.....	49	5,816.35	1,391	375,862.18	50	75.62	80	4,037.35	9,908	38,622.21	40	3,047.92	258	22,867.03	

TABLE 17.—Patents issued, 1960—Continued

Area	State	Exchanges 17		State grants 18		Curative and supplemental 8		Other		Total	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	California.....	4	1,127.10	3	383.48	8	72.42	19 4	409.61	5,287	39,001.90
	Oregon.....	9	73,416.76	—	—	2	204.40	20 1	—	64	75,072.52
	Washington.....	—	—	—	—	—	—	—	—	247	11,698.65
Total Area 1.....		14	74,543.86	3	383.48	10	276.82	5	689.61	5,598	125,773.07
2	Arizona.....	10	61,913.94	1	5 640.00	1	5.00	21 1	1,047.75	1,798	86,788.07
	Idaho.....	8	1,382.73	—	—	1	97.73	—	—	356	45,120.85
	Nevada.....	7	6,579.28	—	—	1	5.00	—	—	2,448	26,414.84
	Utah.....	5	5,286.00	6	5 11,624.21	1	40.00	—	—	462	13,034.61
	Total Area 2.....	30	75,131.95	7	5 12,264.21	4	147.73	1	1,047.75	5,064	171,358.37
3	Colorado.....	13	9,737.19	—	—	2	220.07	—	—	358	43,710.41
	Montana.....	4	2,120.00	1	5 640.00	1	97.00	21 1	80.00	442	18,884.00
	Nebraska.....	—	—	—	—	1	147.68	—	—	23	7.90
	New Mexico.....	1	1,280.00	123	1,604,721.58	2	43.79	23 3	14.66	396	28,887.50
	North Dakota.....	—	—	—	—	1	161.97	—	—	44	550.76
	Oklahoma.....	—	—	—	—	—	—	—	—	103	1,111.77
	South Dakota.....	2	680.00	—	—	—	—	—	—	319	3,828.88
	Wyoming.....	5	792.50	—	—	5	603.76	26 1	45.00	274	36,618.03
	Total Area 3.....	25	14,609.69	124	5 1,605,361.58	12	1,276.27	5	139.46	1,959	133,590.25
	Alaska.....	—	—	8	38,284.32	4	116.01	23 12	193.55	684	53,898.62
4	Eastern States Office:	—	—	—	—	—	—	—	—	—	—
	Alabama.....	—	—	—	—	54	6,907.91	24 2	800.29	85	2,277.56
	Arkansas.....	—	—	—	—	7	608.43	25 2	120.00	21	778.30
	Florida.....	—	—	1	40.00	—	—	31 1	.87	23	710.68
	Indiana.....	—	—	—	—	10	1,183.94	26 2	808.20	12	808.20
	Illinois.....	—	—	—	—	5	762.32	—	—	5	—
	Iowa.....	—	—	—	—	1	66.95	27 2	200.00	3	200.00
	Louisiana.....	—	—	2	180.34	8	736.29	28 25	14,749.41	51	16,010.65
	Michigan.....	1	40.42	—	—	10	674.59	25 1	40.00	15	122.46
	Minnesota.....	3	323.19	1	30.33	2	874.93	25 1	4.28	48	1,478.26
	Mississippi.....	—	—	—	—	24	3,928.55	29 8	3,070.16	54	4,114.22
	Missouri.....	—	—	18	—	2	2,401.36	30 1	40.00	22	115.00
	Ohio.....	—	—	—	—	8	1,262.00	—	—	8	—
	Wisconsin.....	1	40.00	1	89.16	3	100.32	32 1	90.00	9	222.25
Total Eastern States Office.....		5	403.61	5	339.83	150	19,596.59	46	19,923.21	356	26,837.59
Grand total.....		74	164,689.11	147	33 1,656,643.42	180	21,413.42	69	21,993.58	13,661	551,466.90

See footnotes on p. 56.

- ¹ For homestead patents by type of homestead and office, see table 24.
- ² For mineral patents by type of mineral, see table 35.
- ³ Includes 6,159.44 acres reserved under the Mineral Leasing Act of Aug. 13, 1954.
- ⁴ This area includes 2 townships (3.99 acres) not included in table 36.
- ⁵ Area not included in total because previously reported as patented.
- ⁶ Reclamation sales (8,770.44 acres).
- ⁷ Yuma Auxiliary Project Act of Jan. 25, 1917 (39 Stat. 808).
- ⁸ 15 reclamation sales (1,607.94 acres).
- ⁹ 2 reclamation sales (1,621.63 acres).
- ¹⁰ 52 reclamation sales (4,621.63 acres).
- ¹¹ 11 Choctaw-Chickasaw act Aug. 3, 1955 (69 Stat. 445) (350.68 acres).
- ¹² Reclamation sales (3,530.05 acres); 2 under the act of Oct. 19, 1949 (63 Stat. 883), (121.31 acres).
- ¹³ 19 patents (72.22 acres) act of Mar. 3, 1927 (44 Stat. 1364) headquarters site; 12 patents (201.96 acres), act of May 14, 1898 (30 Stat. 409) trade and manufacturing sites; 53 patents (219.72 acres), act of May 26, 1934 (48 Stat. 809) homesites; 3 patents (295.61 acres) act of June 14, 1926 (44 Stat. 741); 6 patents (12.43 acres) act of Aug. 30, 1949 (63 Stat. 679); 16 patents (1,109.48 acres) act of Oct. 17, 1940 (54 Stat. 1191).
- ¹⁴ 3 patents (6.56 acres) act of Aug. 31, 1957 (71 Stat. A 111).
- ¹⁵ 3 patents (75.00 acres) act of May 18, 1898 (30 Stat. 418).
- ¹⁶ For area conveyed to United States by type of exchange, see table 25.
- ¹⁷ For grants by type of grant, see table 5.
- ¹⁸ Townships, 2 patents (58.95 acres). Railroad Transportation Act of Sept. 18, 1940 (54 Stat. 898), 2 patents (350.66 acres).

- ³⁰ Airport act of May 13, 1946 (60 Stat. 179).
- ³¹ Railroad Transportation Act of Sept. 18, 1940 (54 Stat. 898).
- ³² Small Holding Claim Act of Mar. 3, 1891 (26 Stat. 854), 1 patent (13.02 acres). Indian Pueblo Act of June 7, 1924 (43 Stat. 636), 2 patents (1.44 acres).
- ³³ Alaska Act of Mar. 3, 1891 (26 Stat. 1095), 1 patent (.09 acres); act of May 4, 1956 (70 Stat. 130) 5 patents (67.21 acres); act of Aug. 24, 1949 (63 Stat. 627) 2 patents (64.86 acres); act of Aug. 30, 1954 (68 Stat. A 237) 1 patent (5.00 acres); soldiers additional homestead, 3 patents (56.39 acres).
- ³⁴ Private land claim, 1 patent (640.00 acres); old credit, 1 patent (160.29 acres).
- ³⁵ Old cash.
- ³⁶ Indian Treaty Act of Oct. 6, 1818 (7 Stat. 189) 1 patent (672.00 acres); 1 private land claim (136.20 acres).
- ³⁷ 1 old cash (40.00 acres); 1 military bounty land warrant (160.00 acres).
- ³⁸ 1 old cash (112.16 acres); 24 private land claims (14,637.25 acres).
- ³⁹ 4 old cash (1,131.66 acres); 2 old credit (706.20 acres); 2 private land claims (1,232.30 acres).
- ⁴⁰ Act of May 18, 1898 (30 Stat. 418).
- ⁴¹ Act of May 21, 1928 (45 Stat. 619).
- ⁴² Private land claim.
- ⁴³ Includes 1,617,625.79 acres in school land patents not included in total acres patented. Only 39,017.63 acres of this total are included in the final total.
- ⁴⁴ Does not include 1,617,625.79 acres in school land patents, 375,862.18 in Indian fee and reassue trust patents, 21,413.42 in curative and supplemental patents. Includes 16,735.75 acres in private land claims.

TABLE 18.—*Original entries and selections allowed, final entries approved, and patents and certifications issued, 1960*

Type of entry, selection, patent or certification	Original entries and selections		Final entries		Patents and certifications	
	Number	Acres	Number	Acres	Number	Acres
Homestead entries:						
Stockraising.....						
Enlarged.....	7	1,709.20	15	3,375.99	14	3,254.54
Reclamation.....	3	639.17	213	25,921.89	194	23,733.64
Forest.....						
Sec. 2289, R.S., et al.....	1,067	145,568.56	148	15,798.83	156	16,857.12
Commuted.....						
Total homestead entries.....	1,077	147,916.93	376	45,096.71	364	43,845.30
Other entries and selections:						
Desert land entries.....	213	53,867.78	179	39,601.43	182	40,214.77
Public auction sales.....			677	93,076.58	701	99,224.89
Mineral entries.....	176	64,011.09	201	29,411.05	168	28,015.14
Indian selections.....	77	10,107.68	16	853.45	1,440	5,816.35
Miscellaneous cash-sale entries.....			10,251	59,198.62	10,338	68,741.59
Exchanges.....					74	164,689.11
State selections.....	487	1,007,688.09			147	39,017.63
Curative and supplemental patents.....					180	(¹)
Pittman Act applications.....	1	2,560.00	1	2,560.00		
Other.....	342	9,347.91	9	515.20	68	21,993.58
Total other entries and selections.....	1,296	1,147,582.55	11,334	225,216.33	13,298	467,713.06
Grand total.....	2,373	1,295,499.48	11,710	270,313.04	13,662	511,558.36

¹ Acreage previously reported.

TABLE 19.—*Patents issued with minerals reserved to the United States, through 1960*

Area	State	Type of mineral reservation						Total
		All minerals	Coal	Oil and gas	Phosphate	Oil and gas plus other minerals	Miscellaneous minerals and combinations	
		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	Through 1948:							
	California.....	2,352,070	3,005	156,783	—	23	1,864	2,513,745
	Oregon.....	1,639,742	5,598	14,369	—	480	—	1,660,189
	Washington.....	262,444	14,535	2,518	—	384	400	280,281
	Total Area 1.....	4,254,256	23,138	173,670	—	887	2,264	4,454,215
2	Arizona.....	2,547,517	4,403	27,497	—	—	101,880	2,681,297
	Idaho.....	1,291,163	11,749	4,940	—	216,060	—	1,793,948
	Nevada.....	242,717	960	1,119	—	80	40	244,916
	Utah.....	856,083	215,528	98,922	—	8,157	—	1,201,946
	Total Area 2.....	4,937,480	232,640	132,478	291,612	224,297	103,600	5,922,107
3	Colorado.....	4,271,042	1,348,288	215,423	—	38,494	—	5,873,247
	Kansas.....	54,384	—	1,421	—	—	—	55,805
	Montana.....	3,993,640	6,638,554	987,472	—	17,788	150	11,668,894
	Nebraska.....	72,064	—	3,253	—	—	—	76,217
	New Mexico.....	6,373,318	614,779	112,995	680	70,673	—	9,269,356
	North Dakota.....	134,578	4,636,861	11,915	—	1,164	40	4,784,548
	Okahoma.....	48,781	—	10,917	—	—	—	59,698
	South Dakota.....	1,563,802	187,722	6,328	—	—	—	1,759,852
	Wyoming.....	9,541,179	2,297,363	376,906	32,037	17,341	257	12,263,085
	Total Area 3.....	26,060,488	15,743,557	1,726,630	44,007	145,460	2,092,538	45,812,680
4	Alaska.....	6,501	10,823	1,095	—	773	—	19,192
	Eastern States Office:							
	Alabama.....	4,412	63,586	9,563	—	2,889	—	80,450
	Arkansas.....	1,107	1,520	15,043	85	40	—	17,795
	Florida.....	1,154	—	2,304	71,259	520	—	75,237
	Illinois.....	634	120	—	—	—	—	754
	Iowa.....	359	—	—	—	—	—	359
	Louisiana.....	1,223	—	17,105	—	3,844	—	22,172
	Michigan.....	1,935	—	3,261	—	—	—	5,196
	Minnesota.....	235	—	—	8	—	—	243
	Mississippi.....	974	—	10,231	—	—	—	11,205
	Missouri.....	166	—	—	—	—	—	166

Ohio.....	38 1,546	-----	-----	-----	-----	744	782 1,546
Wisconsin.....	-----	-----	-----	-----	-----	-----	-----
Total Eastern States Office.....	13,783	65,226	57,507	71,352	7,283	744	215,905
Total through 1948.....	35,272,508	16,075,384	2,091,380	406,971	378,710	2,199,146	56,424,099
Fiscal year 1949.....	643,602	55,058	118,092	2,455	21,926	5,506	846,729
Fiscal year 1954.....	111,227	313	2,335	-----	55,156	9,231	178,262
Fiscal year 1955.....	60,514	7,809	57,566	550	6,781	-----	134,008
Fiscal year 1956.....	120,073	4,432	65,641	1,377	14,112	31,740	237,375
Fiscal year 1957.....	116,163	6,128	48,160	386	17,478	74	188,389
Fiscal year 1958.....	102,043	3,960	104,390	81	7,528	13,335	231,346
Fiscal year 1959.....	194,416	2,828	117,043	-----	2,379	13,342	330,008
Fiscal year 1960.....	273,774	679	112,282	-----	2,890	8,351	397,916
Grand total.....	36,894,320	16,156,501	2,716,898	411,820	506,850	2,281,653	58,968,132

NOTE.—Data prior to 1949 tabulated from incomplete records; data after 1948 not maintained by States.

TABLE 20.—*Patents issued with minerals reserved to the United States, 1960*

Type of mineral reservation	Acres	Type of mineral reservation	Acres
Reservation of all minerals.....	273, 773. 81	Reservation of—Continued	
Reservation of:		Oil, gas, oil shale.....	306. 90
Coal.....	678. 97	Oil, gas, hydrocarbon.....	810. 85
Coal, oil, and gas.....	4, 045. 47	Oil, gas and other minerals.....	2, 829. 99
Coal and other minerals.....	943. 33	Potash and sodium.....	2. 62
Oil and gas.....	112, 282. 06	Sodium.....	306. 12
Oil, gas, potash, sodium.....	484. 96	Total.....	124, 141. 53
Oil, gas, potash, oil shale.....	933. 26	Grand total.....	397, 915. 34
Oil, gas, phosphate.....	516. 95		

TABLE 21.—*Original homestead entries allowed, 1960*

Area	Land office	Sec. 2289 R.S.		Reclamation		Other		Total	
		Num- ber	Acres	Num- ber	Acres	Num- ber	Acres	Num- ber	Acres
1	Los Angeles.....	1	40. 00					1	40. 00
	Sacramento.....								
	Portland.....	2	320. 00					2	320. 00
	Spokane.....			2	320. 00			2	320. 00
	Total Area 1.....	3	360. 00	2	320. 00			5	680. 00
2	Boise.....	3	400. 15					3	400. 15
	Salt Lake City.....					5	1, 229. 20	5	1, 229. 20
	Reno.....	8	1, 200. 00					8	1, 200. 00
	Phoenix.....					2	480. 00	2	480. 00
	Total Area 2.....	11	1, 600. 15			7	1, 709. 20	18	3, 309. 35
3	Billings.....								
	Cheyenne.....			1	319. 17			1	319. 17
	Denver.....								
	Santa Fe.....	7	1, 040. 00					7	1, 040. 00
	Total Area 3.....	7	1, 040. 00	1	319. 17			8	1, 359. 17
4	Anchorage.....	846	117, 932. 56					846	117, 932. 56
	Fairbanks.....	191	23, 875. 00					191	23, 875. 00
	Juneau.....	9	760. 85					9	760. 85
	Total Area 4.....	1, 046	142, 568. 41					1, 046	142, 568. 41
	Eastern States Office.....								
	Grand Total.....	1, 067	145, 568. 56	3	639. 17	7	1, 709. 20	1, 077	147, 916. 93

TABLE 22.—*Final homestead entries, May 20, 1862–June 30, 1960*

Fiscal year	Number	Acres	Fiscal year	Number	Acres
1868–1870.....	10, 778	1, 379, 116	1945.....	220	34, 692
1871–1875.....	53, 737	6, 215, 783	1946.....	209	29, 368
1876–1880.....	97, 722	11, 670, 439	1947.....	194	25, 987
1881–1885.....	95, 158	12, 630, 327	1948.....	141	18, 453
1886–1890.....	115, 264	16, 330, 272	1949.....	288	36, 969
1891–1895.....	116, 178	16, 602, 473	1950.....	383	46, 127
1896–1900.....	110, 593	15, 275, 647	1951.....	564	63, 059
1901–1905.....	144, 121	19, 812, 927	1952.....	318	37, 506
1906–1910.....	130, 430	19, 005, 358	1953.....	306	39, 219
1911–1915.....	189, 553	35, 407, 653	1954.....	335	43, 432
1916–1920.....	195, 401	38, 909, 565	1955.....	322	37, 242
1921–1925.....	119, 949	29, 468, 379	1956.....	314	39, 971
1926–1930.....	39, 439	10, 922, 304	1957.....	398	61, 876
1931–1935.....	20, 501	6, 233, 399	1958.....	266	38, 685
1936–1940.....	19, 533	6, 783, 129	1959.....	342	41, 507
1941.....	1, 187	389, 970	1960.....	376	45, 097
1942.....	722	187, 507			
1943.....	418	101, 529			
1944.....	283	50, 506			
			Total.....	1, 466, 033	248, 015, 473

NOTE.—This table does not include commuted homesteads or homesteads on ceded Indian lands. The first homestead law was enacted May 20, 1862 (Rev. Stat. sec. 2289, 43 U.S.C. 161, et seq.).

TABLE 23.—*Final homestead entries approved, 1960*

Area	Land office	Sec. 2289 R.S.		Reclamation		Other		Total	
		Num- ber	Acres	Num- ber	Acres	Num- ber	Acres	Num- ber	Acres
1	Los Angeles.....	2	240.00	1	80.00			3	320.00
	Sacramento.....			14	279.45			4	279.45
	Portland.....	2	98.91					2	98.91
	Spokane.....	1	40.00	1	160.00			2	200.00
	Total Area 1.....	5	378.91	6	519.45			11	898.36
2	Phoenix.....			1	160.00			1	160.00
	Boise.....	2	175.10	126	17, 305.60			128	17, 480.70
	Reno.....	11	1, 743.72	7	529.37			18	2, 273.09
	Salt Lake City.....	2	296.67			2 10	2, 515.99	12	2, 812.66
	Total Area 2.....	15	2, 215.49	134	17, 994.97	10	2, 515.99	159	22, 726.45
3	Denver.....	1	120.00			2 3	500.00	4	620.00
	Billings.....	1	155.69	3 49	3, 957.20	2 2	360.00	52	4, 472.89
	Santa Fe.....	5	719.20					5	719.20
	Cheyenne.....	4 1	40.00	24	3, 450.27			25	3, 490.27
	Total Area 3.....	8	1, 034.89	73	7, 407.47	5	860.00	86	9, 302.36
4	Anchorage.....	85	9, 604.89					85	9, 604.89
	Fairbanks.....	23	2, 065.89					23	2, 065.89
	Juneau.....	5	175.41					5	175.41
	Total Area 4.....	113	11, 846.19					113	11, 846.19
	Eastern States Office.....	6 7	323.35					7	323.35
	Grand total.....	148	15, 798.83	212	25, 921.89	15	3, 375.99	375	45, 096.71

¹ Four amended Reclamation homesteads under Act of Aug. 13, 1953 (67 Stat. 566).

² Enlarged (Act of Feb. 19, 1909, 35 Stat. 639).

³ 32 Montana ceded Indian land entries, 1,912.78 acres; 2 South Dakota reclamation homesteads, 307.23 acres.

⁴ Nebraska.

⁵ Includes 14 entries in Nebraska (1,439.30 acres).

⁶ Alabama, 3 entries, 160.07 acres; Florida, 1 entry, 80.26 acres; Louisiana, 2 entries, 43.02 acres; Minnesota, 1 entry, 40 acres.

TABLE 24.—*Homestead entries patented, 1960*

Area	Land office	Sec. 2239		Enlarged		Reclamation		Total	
		Num- ber	Acres	Num- ber	Acres	Num- ber	Acres	Num- ber	Acres
1	Los Angeles.....	2	240.00					2	240.00
	Sacramento.....	1	2.50			1 4	1 279.45	5	281.95
	Portland.....	2 2	2 98.91					2	98.91
	Spokane.....	1	40.00			1	160.00	2	200.00
	Total Area 1.....	6	381.41			5	439.45	11	820.86
2	Phoenix.....					1	160.00	1	160.00
	Boise.....	2	175.10			124	17,067.71	126	17,242.81
	Reno.....	11	1,743.72			5	369.38	16	2,113.10
	Salt Lake City.....	2	296.67	11	2,555.99			13	2,852.66
	Total Area 2.....	15	2,215.49	11	2,555.99	130	17,597.09	156	22,368.57
3	Denver.....	1	160.00	3	698.55			4	858.55
	Billings.....	3 6	3 870.14			4 38	4 3,123.06	44	3,993.20
	Santa Fe.....	6	819.20					6	819.20
	Cheyenne.....	5 1	5 40.00			5 21	5 2,574.04	22	2,614.04
	Total Area 3.....	14	1,889.34	3	698.55	59	5,697.10	76	8,284.99
4	Anchorage.....	86	9,684.10					86	9,684.10
	Fairbanks.....	23	2,105.89					23	2,105.89
	Juneau.....	4	217.54					4	217.54
	Total Area 4.....	113	12,007.53					113	12,007.53
	Eastern States Office.....	8	363.35					8	363.35
	Grand total.....	156	16,851.12	14	3,254.54	194	23,733.64	364	43,845.30

¹ Act of Aug. 13, 1953 (67 Stat. 566).² O&C revested, act of June 9, 1916 (39 Stat. 218), (50 acres).³ Includes 1 in South Dakota (154.45 acres).⁴ Includes 1 in South Dakota (152.78 acres).⁵ Nebraska.⁶ Includes 14 in Nebraska (1,439.30 acres).

TABLE 25.—Land exchanges, 1960

Area	State, type of exchange	Number	Area received	Area patented
National Forest exchanges ¹				
1	California.....	5	<i>Acres</i> 1,186.70	<i>Acres</i> 1,127.10
	Oregon.....	5	4,843.53	980.00
	Total Area 1.....	10	6,030.23	2,107.10
2	Arizona.....	2	524.84	50.00
	Idaho.....	2	549.12	580.00
	Nevada.....	1	1,280.00	1,280.00
	Total Area 2.....	5	2,353.96	1,910.00
3	Colorado.....	7	2,402.34	4,582.07
	Montana.....	1	440.00	160.00
	Total Area 3.....	8	2,842.34	4,742.07
	Eastern States Office:			
	Michigan.....	1	200.00	40.42
	Minnesota ²	3	440.00	323.19
	Total Eastern States Office.....	4	640.00	363.61
	Total forest exchanges.....	27	11,866.53	9,122.78
Reclamation exchanges ³				
2	Idaho.....	1	170.72	170.72
3	Wyoming.....	2	325.58	681.92
	Total reclamation exchanges.....	3	496.30	802.64
Submarginal land exchanges ⁴				
3	South Dakota.....	2	783.54	680.00
	Eastern States Office: Wisconsin.....	1	40.00	40.00
	Total submarginal land exchanges.....	3	823.54	720.00
Taylor Act private exchanges ⁵				
1	Oregon.....	3	1,180.00	908.63
2	Arizona.....	8	55,053.11	61,863.94
	Idaho.....	5	820.00	632.01
	Nevada.....	6	8,072.36	5,299.28
	Utah.....	5	4,794.86	5,256.00
	Total Area 2.....	24	68,740.33	73,051.23
3	Colorado.....	4	466.62	354.71
	Montana.....	3	1,711.12	1,960.00
	New Mexico.....	1	160.00	1,280.00
	Wyoming.....	2	120.00	123.76
	Total Area 3.....	10	2,457.74	3,618.47
	Total Taylor Act private exchanges.....	37	72,378.07	77,578.33
Taylor Act State exchanges ⁵				
1	Oregon.....	1	71,758.05	71,528.13
3	Colorado.....	2	1,280.00	4,900.41
	Wyoming ⁶	1	-----	36.82
	Total Area 3.....	3	1,280.00	4,937.23
	Total State exchanges.....	4	73,038.05	76,465.36
	Grand total.....	74	158,602.49	164,689.11

¹ Authority: Act of Mar. 20, 1922 (42 Stat. 465) as amended.² Includes 1 patent (40 acres received, 80 acres patented) act of Dec. 7, 1942 (56 Stat. 1042).³ Authority: Act of Aug. 13, 1953 (67 Stat. 566).⁴ Authority: Act of July 22, 1937 (50 Stat. 522).⁵ Authority: Act of June 28, 1934 (48 Stat. 1269) as amended.⁶ No land received, as this was a supplemental patent for additional land to previous patent which included the base land.

TABLE 26.—*Withdrawals and revocations, 1960*

Area	Type of reservation	Withdrawals	Revocations
	Air navigation sites	<i>Acres</i>	<i>Acres</i>
2	Arizona.....	20	
	Nevada.....	365	1,280
	Utah.....	234	10
	Total Area 2.....	619	1,290
3	Colorado.....	188	
	New Mexico.....	40	76
	Total Area 3.....	228	76
4	Alaska.....		3,443
	Total air navigation sites.....	847	4,809
	Atomic Energy Commission		
1	Washington.....	4	
	Total Atomic Energy Commission.....	4	
	Classification and in aid of legislation		
2	Nevada.....		24,320
3	New Mexico.....		512
4	Alaska.....		477,310
	Total classification and in aid of legislation.....		502,142
	Defense withdrawals (Defense Department)		
1	California.....	81	720
	Oregon.....	140	
	Washington.....		331
	Total Area 1.....	221	1,051
2	Idaho.....	960	454,500
	Nevada.....	160	
	Total Area 2.....	1,120	454,500
3	New Mexico.....		31,811
	South Dakota.....		3,430
	Total Area 3.....		35,241
4	Alaska.....	80,742	5,003
	Total defense withdrawals.....	82,083	495,795
	Flood control and navigation (Army)		
2	Arizona.....	2,592	
	Nevada.....	976	
	Total Area 2.....	3,568	
3	North Dakota.....		47
	Eastern States Office: Arkansas.....	265	
	Total flood control and navigation.....	3,833	47
	Forest Service administrative site		
1	California.....		80
	Oregon.....	245	120
	Total Area 1.....	245	200
2	Idaho.....	260	160
	Nevada.....	520	
	Utah.....		144
	Total Area 2.....	780	304

See footnotes at end of table.

TABLE 26.—*Withdrawals and revocations, 1960—Continued*

Area	Type of reservation	With- drawals	Revo- cations
Forest Service administrative site—Continued			
3	Colorado.....	<i>Acres</i> 10,901	<i>Acres</i> 20
	New Mexico.....	40	-----
	South Dakota.....	224	80
	Wyoming.....	15,832	120
	Total Area 3.....	26,997	220
4	Alaska.....	54	2
	Eastern States Office: Wisconsin.....	40	-----
	Total Forest Service administrative site.....	28,116	726
National Forests			
4	Alaska.....	3,317	38
	Total National Forests.....	3,317	38
Power sites			
1	California.....	-----	4,781
	Oregon.....	-----	1,323
	Washington.....	-----	3,171
	Total Area 1.....	-----	9,275
2	Utah.....	-----	40
	Total Area 2.....	-----	40
4	Alaska.....	-----	6
	Total power sites.....	-----	9,321
Public water reserves			
1	Oregon.....	-----	200
2	Idaho.....	-----	40
	Nevada.....	-----	40
	Total Area 2.....	-----	80
3	Montana.....	-----	1,474
	Total public water reserves.....	-----	1,754
Reclamation			
1	California.....	-----	620
	Oregon.....	-----	3,783
	Washington.....	-----	664
	Total Area 1.....	-----	5,067
2	Arizona.....	10,200	52,486
	Idaho.....	8,656	400
	Utah.....	60	-----
	Total Area 2.....	18,916	52,886
3	Colorado.....	-----	120
	Nebraska.....	-----	40
	Montana.....	200	12,604
	South Dakota.....	-----	121
	Wyoming.....	720	654
	Total Area 3.....	920	13,539
	Total reclamation.....	19,836	71,492
Wildlife refuges and projects			
1	Washington.....	-----	70
2	Arizona.....	48	-----
	Utah.....	14,097	-----
	Total Area 2.....	14,145	-----

TABLE 26.—*Withdrawals and revocations, 1960—Continued*

Area	Type of reservation	Withdrawals	Revocations
Wildlife refuges and projects—Continued			
3	Montana.....	<i>Acres</i> 595	<i>Acres</i>
	South Dakota.....	3,340	
	Total Area 3.....	3,935	
	Total wildlife refuges and projects.....	18,080	70
Lighthouse reserves			
1	Oregon.....		40
4	Alaska.....		161
	Eastern States Office:		
	Florida.....		2
	Michigan.....		53
	Total Eastern States Office.....		55
	Total lighthouse reserves.....		256
Stock driveways			
1	California.....		920
	Oregon.....	1,340	
	Washington.....		1,841
	Total Area 1.....	1,340	2,761
2	Arizona.....		23,400
	Idaho.....	5,989	
	Total Area 2.....	5,989	23,400
3	Colorado.....	7,190	14,995
	South Dakota.....		852
	Wyoming.....		
	Total Area 3.....	7,190	15,847
	Total stock driveways.....	14,519	42,008
Administrative sites and recreation areas			
1	California.....		180
	Oregon.....	90	
	Washington.....	331	
	Total Area 1.....	421	180
2	Idaho.....	5	
	Nevada.....	45	
	Utah.....	2,560	
	Total Area 2.....	2,610	
3	Colorado.....	200	
	Montana.....	4	
	Total Area 3.....	204	
4	Alaska.....	116	34
	Total administrative sites and recreation areas.....	3,351	214
Other withdrawals			
3	Wyoming.....		¹ 130,691
	New Mexico.....	² 1,393	
4	Alaska.....	³ 4,784	⁴ 17
	Louisiana.....		⁵ 500
	Total other withdrawals.....	6,177	131,208
	Grand total.....	180,163	1,259,880

¹ Petroleum Reserve (Interior).² New Mexico A&M (Interior).³ School site (Interior) 11 acres; safety zone (Fort Richardson) 4,706 acres; flood control (Commerce) 60 acres; administrative site (Commerce), 7 acres.⁴ Hospital site (Interior).⁵ Petroleum Reserve No. 4 (Interior).

TABLE 27.—Original and final desert land entries, since March 3, 1877

Area	State	Original entries			Final entries		
		Num- ber	Area	Purchase money ¹	Num- ber	Area	Purchase money ¹
1	California.....	24, 821	<i>Acres</i> 5, 335, 391	<i>Dollars</i> 1, 350, 080. 37	6, 192	<i>Acres</i> 1, 190, 650	<i>Dollars</i> 1, 098, 262. 19
	Oregon.....	6, 787	1, 145, 746	286, 083. 13	2, 338	360, 066	337, 692. 96
	Washington.....	6, 085	998, 708	260, 564. 94	1, 119	137, 840	129, 787. 05
	Total Area 1.....	37, 693	7, 479, 845	1, 896, 728. 44	9, 649	1, 688, 556	1, 565, 742. 20
2	Arizona.....	10, 328	2, 645, 769	664, 020. 81	2, 321	501, 671	497, 980. 26
	Idaho.....	19, 853	3, 439, 394	862, 023. 60	6, 620	1, 248, 934	1, 172, 799. 78
	Nevada.....	3, 773	810, 420	192, 337. 12	997	189, 400	185, 552. 31
	Utah.....	8, 775	1, 540, 205	391, 220. 80	3, 247	502, 237	500, 461. 25
	Total Area 2.....	42, 729	8, 435, 788	2, 109, 602. 33	13, 185	2, 442, 242	2, 356, 793. 60
3	Colorado.....	17, 502	3, 231, 289	908, 295. 31	5, 651	1, 015, 403	910, 857. 07
	Dakota Territory.....	35	20, 021	5, 005. 25	1	300	300. 00
	Montana.....	32, 075	5, 984, 483	1, 502, 674. 08	16, 405	3, 051, 691	2, 962, 720. 48
	New Mexico.....	11, 327	2, 174, 486	545, 141. 26	1, 896	283, 381	363, 892. 00
	North Dakota.....	517	85, 278	21, 321. 09	118	20, 254	20, 238. 92
	South Dakota.....	4, 070	609, 290	151, 917. 37	1, 118	180, 759	153, 005. 89
	Wyoming.....	17, 482	5, 581, 437	951, 966. 73	7, 993	1, 626, 483	1, 604, 841. 19
	Total Area 3.....	83, 008	17, 686, 284	4, 086, 321. 09	33, 182	6, 178, 271	6, 015, 855. 55
	Grand total.....	163, 430	33, 601, 917	8, 092, 651. 86	56, 016	10, 309, 069	9, 938, 391. 35

¹ With few exceptions, the entryman was required to pay \$0.25 per acre with his application to enter, and an additional \$1.00 per acre with his final proof.

NOTE.—Data in this table deal with sections taken under the Act of March 3, 1877 (19 Stat. 377, 43 U.S.C. 321-323), the Relief Act of March 4, 1915 (38 Stat. 1161, 43 U.S.C. 335), and other relief acts.

TABLE 28.—*Original stockraising homesteads on public and ceded Indian lands, December 29, 1916–June 30, 1960*

A. BY LOCATION

Area	State or Territory	Number	Area	Fees and commissions
			<i>Acres</i>	<i>Dollars</i>
1	California.....	8,464	3,423,222	232,866.39
	Oregon.....	8,282	3,375,688	207,794.88
	Washington.....	1,600	513,746	41,893.70
	Total Area 1.....	18,346	7,312,656	482,554.97
2	Arizona.....	6,225	2,985,106	181,237.50
	Idaho.....	7,818	3,563,294	209,658.11
	Nevada.....	932	494,637	29,065.67
	Utah.....	5,150	2,800,709	170,243.26
	Total Area 2.....	20,125	9,843,746	590,204.54
3	Colorado.....	20,991	8,405,015	520,049.61
	Kansas.....	233	58,506	4,102.00
	Montana.....	21,329	7,720,173	545,989.20
	Nebraska.....	585	108,313	7,529.41
	New Mexico.....	34,178	15,621,192	934,664.76
	North Dakota.....	939	288,918	19,210.37
	Oklahoma.....	366	71,349	4,768.57
	South Dakota.....	7,955	2,731,961	142,844.38
	Wyoming.....	40,492	18,172,194	1,117,801.11
	Total Area 3.....	127,068	53,177,621	3,296,959.41
	Eastern States Office:			
	Arkansas.....	4	1,600	80.00
	Michigan.....	5	1,821	95.50
	Minnesota.....	1	75	7.00
	Total Eastern States Office.....	10	3,496	182.50
	Various States ¹	159	24,247	1,882.25
	Grand total.....	165,708	70,361,766	4,371,783.67

B. BY FISCAL YEARS

Fiscal year	Number	Area	Fees and commissions
		<i>Acres</i>	<i>Dollars</i>
1917-1948.....	165,703	70,358,611	4,371,659.47
1949.....	1	640	24.00
1950.....			
1951.....	2	1,233	66.13
1952.....	1	640	
1953-1954.....			
1955.....	1	642	34.07
1956-1960.....			
Total.....	165,708	70,361,766	4,371,783.67

¹ Entered at the Washington, D.C., office.

NOTE.—Data in this table relate to actions taken under the act of December 29, 1916 (39 Stat. 863, 43 U.S.C. 291).

TABLE 29.—Original entries and selections on public and ceded Indian lands, 1951–1960

Area	State	Fiscal year									
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
1	California.....	Acres 23,574	Acres 6,889	Acres 9,455	Acres 23,972	Acres 48,207	Acres 27,611	Acres 6,839	Acres 320	Acres 4,933	Acres 7,774
	Oregon.....	160	240	2,862	13,498	5,593	2,896	-----	1,675	614	704
	Washington.....	730	20	-----	-----	-----	-----	-----	-----	17,940	22,402
	Total Area 1.....	24,464	7,149	12,317	37,470	53,800	30,507	6,839	1,995	3,487	30,880
2	Arizona.....	4,723	3,074	7,284	30,568	6,165	4,011	7,642	15,859	77,043	88,093
	Idaho.....	23,988	14,729	29,498	101,830	49,522	44,985	42,443	44,862	22,517	23,609
	Nevada.....	6,985	9,757	170,079	33,433	87,668	9,179	59,229	24,981	27,161	36,829
	Utah.....	19,707	10,733	15,310	15,492	15,154	7,002	4,098	6,149	5,193	1,530
	Total Area 2.....	55,403	38,293	222,171	181,330	158,509	65,177	113,412	91,801	131,914	145,061
3	Colorado.....	9,820	8,546	28,239	42,731	4,099	9,804	4,293	6,221	1,981	80
	Montana.....	640	257	160	307	160	320	683	-----	569	2,636
	New Mexico.....	1,156	11,194	-----	-----	-----	-----	5,101	2,970	5,081	4,015
	South Dakota.....	-----	-----	818	-----	-----	-----	-----	-----	-----	-----
	Wyoming.....	9,017	2,510	2,034	3,821	1,371	7,122	4,196	3,615	7,726	9,331
4	Total Area 3.....	20,633	22,507	30,433	47,677	5,630	17,246	14,273	12,806	15,357	16,062
	Alaska.....	18,144	43,081	44,332	38,829	33,299	38,393	45,176	39,302	131,958	1,103,219
	Various States 1.....	1,130	1,523	440	340	161	80	258	-----	-----	277
	Grand total.....	120,774	113,153	309,693	305,646	251,399	151,403	179,958	145,904	302,916	1,293,499

1 Entered at the Washington, D.C. office.

TABLE 30.—*Small tract leases and sales, 1960*

Area	State	Leases						Terminated and expired during fiscal year 1960		Sales during fiscal year 1960	
		In effect June 30, 1960			Issued during fiscal year 1960						
		Number	Area	Rental	Number	Area	Number	Area			
1	California.....	1 2,216	Acres 8,199	\$42,995.00	235	Acres 633	3,002	Acres 11,819	5,095	Acres 21,112	
	Oregon.....	113	230	1,579.75	4	7	26	45	21	39	
	Washington.....	1	1	10.00					29	73	
	Total Area 1.....	2,330	8,430	44,584.75	239	640	3,028	11,864	5,145	21,224	
2	Arizona.....	354	1,496	7,797.80	9	45	82	223	1,643	5,857	
	Idaho.....	2 39	26	252.50			4	3	42	16	
	Nevada.....	3 3,984	15,936	9,753.75	243.	870	1,845	7,196	2,226	8,646	
	Utah.....	4 173	546	3,130.00	52	158	59	225	92	284	
	Total Area 2.....	4,550	18,004	20,934.05	304	1,073	1,990	7,647	4,003	14,803	
3	Colorado.....	178	550	3,809.80	44	132	2	10	35	119	
	Montana.....	6 42	169	457.50	6	32	13	57	3	15	
	New Mexico.....	6 177	615	1,802.24	72	184	29	121	172	685	
	Wyoming.....	7 152	489	1,240.75	10	28	17	62	18	77	
	Total Area 3.....	549	1,823	7,310.29	132	376	61	250	228	896	
4	Anchorage.....	8 1,302	4,101	26,691.00	409	1,288	71	244	258	666	
	Fairbanks.....	127	351	2,178.28	64	236	20	39	90	261	
	Juneau.....	124	363	1,480.25	58	164	31	90	87	272	
	Total Area 4.....	1,553	4,815	30,349.53	531	1,738	122	373	435	1,199	
	Eastern States Office: Michigan.....								1	2	
	Minnesota.....								1	3	
	Total Eastern States Office.....								2	5	
	Grand total.....	8,982	33,072	103,178.62	1,206	3,827	5,201	20,134	9,813	38,127	

1 One business site lease.

2 One business site lease.

3 23 business site leases.

4 50 business site leases.

5 One business site lease.

6 16 business site leases.

7 32 business site leases.

8 2 business site leases.

TABLE 31.—*Special land use permits in force, 1960*¹

Area	State	Area			Total rental
		Without rental	With rental	Total	
		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	
1	California.....	17,536	214,751	232,287	\$2,134.20
	Oregon:				
	O&C lands.....	623	388	1,011	1,943.00
	Other public lands.....	3,724	491	4,215	1,255.00
	Washington.....	3,002		3,002	
	Total Area 1.....	24,885	215,630	240,515	5,332.20
2	Arizona.....	18,809	714	19,523	290.00
	Idaho.....	133,996	1,265	135,261	2,456.00
	Nevada.....	16,510	2,386	18,896	1,435.00
	Utah.....	434,243	884	435,127	1,030.00
	Total Area 2.....	603,558	5,249	608,807	3,211.00
3	Colorado.....	22	191	213	375.00
	Montana.....	27,722	966	28,688	588.25
	New Mexico.....	23,687	3,354	27,041	1,053.41
	North Dakota.....	60	177	237	149.25
	South Dakota.....	6		6	
	Wyoming.....	264	4,195	4,459	980.75
	Total Area 3.....	51,761	8,883	60,644	3,146.66
4	Anchorage.....	235	348	583	645.00
	Fairbanks.....	3,326	59	3,385	599.00
	Juneau.....	61	19	80	275.00
	Total Area 4.....	3,622	426	4,048	1,519.00
	Eastern States Office:				
	Michigan.....		5	5	10.00
	Wisconsin.....		5	5	137.00
	Total Eastern States.....		10	10	147.00
	Grand total.....	683,826	230,198	914,024	\$13,355.86

¹ See 43 CFR 258.1.² One ski lift permit on which rental is computed on percentage of gross receipts is not reflected in the total annual rental.TABLE 32.—*Miscellaneous leases in force, 1960*

Area	Type of lease and State	Number	Area	Annual rental
	Airport leases ¹		<i>Acres</i>	
1	California.....	4	4,147	\$70.00
	Oregon.....	3	1,027	10.00
	Total Area 1.....	7	5,174	80.00
2	Arizona.....	3	945	32.50
	Nevada.....	5	5,198	60.00
	Utah.....	5	4,031	65.00
	Total Area 2.....	13	10,174	157.50
3	Colorado.....	2	1,280	25.00
	Montana.....	1	40	10.00
	New Mexico.....	2	563	20.00
	Wyoming.....	2	687	30.00
	Total Area 3.....	7	2,570	85.00
4	Alaska.....	10	1,464	110.00
	Total airport leases.....	37	19,382	432.50
	Campsite leases ²			
1	Oregon.....	2	90	

See footnotes at end of table.

TABLE 32.—*Miscellaneous leases in force, 1960*—Continued

Area	Type of lease and State	Number	Area	Annual Rental
	Fur farm leases ³		<i>Acres</i>	
4	Alaska.....	4	22, 610	\$175. 00
	Mineral or medicinal springs leases ⁴			
1	California.....	1	121	1. 00
	Washington.....	1	80	50. 00
	Total mineral or medicinal springs leases.....	2	201	51. 00
	Public works leases ⁵			
2	Idaho.....	1	10	10. 00
3	Colorado.....	3	15	60. 00
	Montana.....	1	4	5. 00
	Total Area 3.....	4	19	65. 00
	Total public works leases.....	5	29	75. 00
	Recreational leases ⁶			
1	California.....	4	191	230. 50
	Oregon.....	1	60	2. 40
	Washington.....	35	82	658. 00
	Total Area 1.....	40	333	890. 90
2	Arizona.....	8	1, 795	269. 84
	Utah.....	2	1, 565	191. 00
	Total Area 2.....	10	3, 360	460. 84
3	Colorado.....	2	1, 280	25. 00
	Montana.....	1	40	10. 00
	New Mexico.....	2	563	20. 00
	Wyoming.....	2	687	30. 00
	Total Area 3.....	7	2, 570	85. 00
4	Alaska.....	1	25	14. 00
	Eastern States Office:			
	Florida.....	1	508	6, 167. 50
	Minnesota.....	1	80	29. 00
	Wisconsin.....	1	1	1. 00
	Total Eastern States.....	3	589	6, 197. 50
	Total recreational leases.....	61	6, 877	7, 648. 24
	Uranium leases ⁷			
3	Colorado.....	3	15	60. 00
	Water well leases ⁸			
2	Utah.....	2	45	41. 00
3	Colorado.....	1	1	100. 00
	New Mexico.....	3	120	167. 50
	Wyoming.....	5	200	330. 00
	Total Area 3.....	9	321	537. 50
	Total water well leases.....	11	366	579. 00
	Grand total.....	125	49, 570	9, 020. 74

¹ Act of May 24, 1928 (45 Stat. 728, 49 U.S.C. 211-214).² Boy scout campsite, act of Jan. 21, 1927 (44 Stat. 1022).³ Act of July 3, 1926 (44 Stat. 821, 48 U.S.C. 360-361).⁴ Act of Mar. 3, 1925 (43 Stat. 1133, 43 U.S.C. 971).⁵ Act of Sept. 3, 1954 (68 Stat. 1146, 43 U.S.C. 931c and d).⁶ Act of June 14, 1926 (44 Stat. 741, 43 U.S.C. 869).⁷ Act of Aug. 7, 1947 (61 Stat. 913).⁸ Section 40 of the Mineral Leasing Act of Feb. 25, 1920 (41 Stat. 437).

TABLE 33.—Unperfected entries pending, 1960

Area	Land office	Desert land		Homestead ¹		Other		Total	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	Los Angeles.....	580	130,271	3	2,017	21	20	601	132,308
	Sacramento.....	6	1,320	30	520	267	16,214	76	18,054
	Portland.....	51	9,955	15	873	227	975	93	11,803
	Spokane.....	4	729	15	2,053	216	974	35	3,736
	Total Area 1.....	641	142,275	53	5,443	111	18,183	805	185,901
2	Boise.....	414	136,948	221	35,599	---	---	635	172,547
	Phoenix.....	55	14,808	11	1,806	---	---	66	16,614
	Reno.....	181	48,343	56	6,840	11	26,220	248	81,403
	Salt Lake City.....	32	6,331	68	16,621	---	---	100	22,952
	Total Area 2.....	682	206,430	356	60,866	11	26,220	1,049	233,516
3	Billings.....	5	1,020	4332	33,913	---	---	337	34,933
	Cheyenne.....	88	19,703	90	11,046	---	---	178	30,749
	Denver.....	6	1,715	31	4,456	---	---	37	6,171
	Santa Fe.....	41	7,829	25	3,362	56	7,434	122	18,625
	Total Area 3.....	140	30,267	478	52,777	56	7,434	674	90,478
4	Anchorage.....	---	---	---	---	8	15,293	2,241	219,413
	Fairbanks.....	---	---	1,694	204,120	9	547	830	66,405
	Juneau.....	---	---	487	50,648	10	15,757	67	4,425
	Total Area 4 ¹¹	---	---	2,205	256,979	933	33,264	3,138	290,243
	Eastern States Office.....	---	---	8	479	---	---	8	479
Grand total.....		1,463	378,972	3,100	376,544	1,111	85,101	5,674	840,617

¹ For unperfected homesteads by type, see table 34.² Mineral entries.³ Pitman Act entries.⁴ Includes 7 North Dakota entries, 918 acres; 20 South Dakota entries, 1,987 acres.⁵ Includes 37 Nebraska entries, 3,865 acres.⁶ Includes 1 Oklahoma entry, 156 acres.⁷ Includes 4 small holding claims, 41 acres; 2 Indian allotments, 318 acres; 1 Indian

homestead entry, 640 acres; 11 private claims, 291 acres; 16 State indemnity selections,

2,555 acres; 22 mineral entries, 4,589 acres.

⁸ 133 headquarters sites, 646 acres; 158 homesteads, 790 acres; 44 Indian allotments, 5,377 acres; 212 trade and manufacturing sites, 8,480 acres.⁹ 23 headquarters sites, 115 acres; 86 homesteads, 122 acres; 115 Indian allotments,

13,570 acres; 119 trade and manufacturing sites, 1,950 acres.

¹⁰ 8 headquarters sites, 31 acres; 15 homesteads, 66 acres; 16 Indian allotments, 1,999

acres; 4 trade and manufacturing sites, 118 acres.

¹¹ Does not include State selections tentatively approved; Anchorage 2, 11,006 acres;

Fairbanks 1, 1,045 acres; Juneau 2, 1,200 acres.

TABLE 34.—*Unperfected homestead entries pending, 1960*

Area	Land office	Sec. 2280 R.S.		Enlarged		Reclamation		Stockraising		Total	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	Los Angeles.....	12	1, 120	2	480	8	897	—	—	20	2, 017
	Sacramento.....	1	40	—	—	—	—	—	—	3	520
	Portland.....	4	522	—	—	11	351	—	—	15	873
	Spokane.....	1	120	—	—	14	1, 913	—	—	15	2, 033
	Total Area 1.....	18	1, 802	2	480	33	3, 161	—	—	53	5, 443
2	Boise.....	5	800	4	806	212	33, 984	—	—	221	35, 500
	Phoenix.....	5	680	2	640	4	486	—	—	11	1, 806
	Reno.....	39	5, 821	—	—	17	1, 019	—	—	56	6, 840
	Salt Lake City.....	7	1, 038	61	15, 563	—	—	—	—	68	16, 621
	Total Area 2.....	56	8, 368	67	17, 009	233	35, 489	—	—	356	60, 866
3	Cheyenne.....	1	80	—	—	189	10, 966	—	—	90	11, 046
	Billings.....	2	174	—	—	3	330	—	—	332	33, 913
	Denver.....	3	370	20	3, 405	8	681	—	—	31	4, 456
	Santa Fe.....	4	3, 362	—	—	—	—	—	—	25	3, 362
	Total Area 3.....	31	3, 986	20	3, 405	427	45, 386	—	—	478	52, 777
4	Anchorage.....	—	—	—	—	—	—	—	—	—	—
	Fairbanks.....	1, 694	204, 120	—	—	—	—	—	—	1, 694	204, 120
	Juneau.....	487	50, 648	—	—	—	—	—	—	487	50, 648
	Total Area 4.....	24	2, 211	—	—	—	—	—	—	24	2, 211
Eastern States Office.....	—	2, 205	256, 979	—	—	—	—	—	—	2, 205	256, 979
	—	8	479	—	—	—	—	—	—	8	479
	Grand total.....	2, 318	271, 614	89	20, 804	693	84, 036	—	—	3, 100	376, 544

¹ Includes 9 entries on ceded Indian lands, 2,203 acres; 37 Nebraska entries, 3,865 acres.² Consists of 1 North Dakota entry, 134 acres; 1 South Dakota entry, 40 acres.³ Includes 191 entries on ceded Indian lands, 15,605 acres; 6 North Dakota entries, 784 acres; 19 South Dakota entries, 1,948 acres.⁴ Includes 1 Oklahoma entry, 156 acres⁵ Arkansas, 1 entry, 40 acres; Florida, 2 entries, 160 acres; Louisiana, 1 entry, 37 acres; Mississippi, 3 entries, 240 acres; Minnesota, 1 soldier additional homestead entry (Sec. 2206-7 R.S.), 2 acres.

PART 3

MINERALS

The Bureau of Land Management administers the United States mineral laws including the General Mining Laws of 1872, the Mineral Leasing Act of 1920, and the leasing of submerged lands in the Outer Continental Shelf. The activities of the Bureau encourage and allow competitive and noncompetitive leasing for oil, gas, potash, coal, and other minerals, and the location and patenting of mining claims under the mining laws. Other minerals not within the purview of the mining or leasing laws are sold under the Materials Act of 1947, as amended.

The Bureau issued 167 mineral patents during 1960 covering 28,005 acres of Federal land (Table 35).

The Bureau also adjudicated and closed 262 mineral patent application cases on all Federal lands entered under the General Mining Laws of 1872 during fiscal year 1960. In the same period, the Bureau conducted field examinations of 303 patent application cases on Bureau administered lands, entered under these laws, and recommended that about 49 percent of these be allowed (T. 36).

As of June 30, 1960, there were 140,602 mineral leases in effect on 116 million acres of public domain land (T. 43). In addition, there were outstanding 2,057 permits and licenses on another 4.2 million acres of public lands (T. 37). Also, in force were 7,119 mineral leases, licenses, and permits on 5.1 million acres of acquired lands, which the Bureau had issued (T. 42). Nearly 98 percent of the leases, licenses, and permits in effect on both classes of land, and over 97 percent of the acreage involved, was in oil and gas leases, both competitive and non-competitive, as of the end of fiscal year 1960.

Mineral production from both public domain and acquired Federal lands during fiscal year 1960 included 152 million barrels of petroleum; 493 billion cubic feet of natural gas; 124 million gallons of gasoline; 181 million gallons of liquid petroleum gas; and 13 million short tons of potash (T. 38 and 39). In addition, private enterprise produced 36 million barrels of petroleum and 207 billion cubic feet of natural gas from Outer Continental Shelf lands (T. 40).

In fiscal year 1960, the Bureau issued competitive mineral leases on 33,694 acres of public and acquired land, for which lessees paid \$780,157 in bonuses. Nearly 60 percent of the acreage embraced

by all competitive leases issued during this period was covered by oil and gas leases on public domain lands, and amounted to 85 percent of the total bonus money received. Sodium leasing ranked second in total acreage leased and bonus monies received.

Total receipts during fiscal year 1960 from all mineral land leasing activities, including rentals, royalties, and bonuses, conducted by the Bureau of Land Management were \$194,561,469 of which the major portion was from oil and gas rental and royalty payments.

DEFINITIONS OF TERMS

Bonus:

The cash consideration paid to the United States by the successful bidder for a mineral lease, such payment being made in addition to the rent and royalty obligations specified in the lease.

Field examination:

An on-the-ground investigation of certain public lands in regard to valuation, land use, application for entry, mineralization, etc.

Competitive lease:

A lease issued by the United States where there are known minerals, or inference of probable mineralization shown can be drawn from knowledge of the geology of the land. The lands are offered for lease by competitive bidding after publication of the offer of the lands for leasing. The lease issues to the high bidder, who is determined at a sale by public auction.

Lease:

A contract or instrument by which interests are created or transferred to another subject to specified obligations and given in consideration of rent or some other recompense.

License:

An authority granted by the United States to do a particular act or series of acts upon public lands without the lessee possessing any estate or interest in the land itself.

Location:

The perfecting of a right to possession of a mining claim for mining purposes. This includes the staking of the claim, sinking a discovery shaft, discovery of a valuable mineral, posting a notice of location, and recording the claim.

L.P.G.:

Liquid petroleum gases.

Mineral:

Inorganic substance occurring naturally, with characteristics and economic uses that bring it within the purview of mineral laws; a substance that may be obtained under applicable laws from public lands by purchase, lease or pre-emptive entry.

Mineral classification:

The classification of lands as mineral lands which are lands known to contain valuable minerals.

Mineral investigation:

Synonymous with field examination.

Mineral permit:

A permit which authorizes prospecting for certain leasable minerals on public lands described in the permit.

Mineral reservation:

A restriction on Federally-owned minerals, or of public lands which contain minerals.

Noncompetitive leasing:

Leases are issued to qualified applicants for lands not specifically known or presumed to contain mineral or petroleum deposits in quantity.

Patent:

A government deed. A document that conveys legal title of public lands to the party to whom the patent is issued.

Public Law 167:

(The Act of July 23, 1955, 69 Stat. 367). Provides for multiple use of mining claims, and for a procedure where the Government may determine that it has the right to manage surface resources not required for mining purposes.

Public Law 357:

(The Act of August 11, 1955, 69 Stat. 679). Provides for location of mining claims for uranium, thorium and other source material on lands classified or known to be valuable for coal.

Public Law 359:

(The Act of August 11, 1955, 69 Stat. 681). Provides for the location of mining claims on lands reserved or withdrawn for power or power site purposes.

TABLE 35.—*Mineral patents issued, 1960*

Mineral	Area 1				Area 2			
	California		Oregon		Washington		Arizona	
	Number	Acres	Number	Acres	Number	Acres	Number	Acres
Aluminum, magnesium, silicon, calcium, manganese, titanium, sodium.....								
Barite.....								
Bentonite.....								
Beryl, feldspar and mica.....								
Cerite.....								
Building stone.....	1	150.00			1	20.51	3	865.54
Copper.....							1	123.97
Copper, zinc and others.....								
Feldspar.....								
Clay.....								
Gold.....	2	85.00	2	81.87				
Gold and copper, silver and tungsten.....								
Gold, copper, silver.....								
Gold and silver.....			1	30.00			1	21.25
Gold, silver, lead.....							1	20.59
Gold, silver, copper, lead, uranium.....								
Gold, silver, copper, lead, zinc.....								
Gold, silver, lead, copper.....							1	14.03
Gold, silver, lead, copper.....								
Gold and other minerals.....	1	41.32						
Gravel.....								
Gypsum.....								
Granite and gold.....	1	28.24						
Iron, lead, copper, gold, silver.....								
Iron ore.....								
Lead, zinc, silver.....								
Lead, zinc, iron, silver.....					1	27.72	2	94.13
Lead and silver.....					1	.30	1	16.17
Lead, zinc, silver, copper.....							1	19.74
Lead, silver, and others.....								
Limestone.....								
Limestone, dolomite.....								
Limestone, sandstone, basalt.....							1	450.00
Manganese.....							1	80.00
Manganese and other minerals.....							5	452.27
Thiurspan.....								
placer gold.....								
Oil shale.....	2	206.07						
Porphyry, granite, limestone, diabase.....								
Pelite.....							1	112.37
Pozzolan.....								
Pumice.....							7	554.94
Utah.....								

TABLE 36.—*Mineral patent applications, 1960*

Area	Land Office	Adjudication				Classification and investigation							
		Unclosed cases July 1, 1959	New cases 1960	Reactivated cases 1960	Cases closed 1960	Unclosed cases June 30, 1960	Bureau of Land Management				Forest Service		
							Cases recommended for patent	Cases not recommended for patent	Claims recommended for patent	Claims not recommended for patent	Cases recommended for patent	Claims recommended for patent	Claims not recommended for patent
1	Los Angeles.....	63	19	2	13	71	1	4	1	16	—	—	—
	Portland.....	66	18	1	18	67	3	8	5	5	2	12	18
	Sacramento.....	64	8	—	13	59	2	4	8	19	2	3	9
	Spokane.....	21	—	1	6	16	3	—	3	—	1	2	3
2	Total Area 1.....	214	45	4	50	213	9	16	17	40	7	6	30
	Boise.....	36	3	1	20	20	1	3	1	4	1	3	5
	Phoenix.....	40	58	3	20	81	5	9	—	—	—	—	—
	Reno.....	29	7	1	11	26	6	—	19	26	—	—	—
	Salt Lake City.....	21	6	2	11	18	4	2	4	24	—	—	—
	Total Area 2.....	126	74	7	62	145	16	14	24	54	1	3	5
3	Billings.....	54	3	2	25	34	10	1	24	1	4	1	8
	Cheyenne.....	161	64	1	87	139	105	117	319	278	2	1	1
	Denver.....	73	19	15	21	86	1	2	2	2	74	8	67
	Santa Fe.....	29	5	—	9	25	5	3	28	3	5	10	8
	Total Area 3.....	317	91	18	142	284	121	123	372	284	85	20	74
	Anchorage.....	1	1	—	—	1	—	—	—	—	—	—	—
4	Fairbanks.....	3	11	1	1	14	—	—	—	—	—	—	—
	Juneau.....	10	1	—	4	7	1	—	1	—	1	3	15
	Total Area 4.....	13	13	1	5	22	1	—	1	—	—	3	15
	Eastern States Office: Arkansas.....	7	—	—	—	—	3	—	—	—	—	—	—
Grand total.....		677	223	30	262	668	150	153	414	378	93	32	91
													167

1 Pending contest.

TABLE 37.—Mineral permits and licenses on public domain lands as of June 30, 1960

Area	State	Type of permit										Coal licenses		Total permits and licenses
		Coal			Potash		Sodium		Other		Total permits			
		Num-ber	Acres		Num-ber	Acres	Num-ber	Acres	Num-ber	Acres	Num-ber	Acres	Num-ber		Acres
1	California.....	4	4,222	1	1,999	496	962,419			497	964,419	497	964,419	Total permits and licenses
	Oregon.....	3	2,838			51	98,115			55	102,337	55	102,337	
	Washington.....									3	2,838	3	2,838	
	Total Area 1.....	7	7,060	1	1,999	547	1,060,535			555	1,069,594	555	1,069,594	
2	Arizona.....													Total permits and licenses
	Idaho.....			53	96,464	32	67,461			85	163,925	85	163,925	
	Nevada.....	1	800	176	421,563	166	352,389			343	774,752	343	774,752	
	Utah.....	66	126,731	294	598,078	2	5,105			362	729,914	362	729,914	
	Total Area 2.....	67	127,531	523	1,116,105	200	424,955			790	1,668,591	790	1,668,591	
3	Colorado.....	32	59,283	76	169,893					108	229,176	1	40	Total permits and licenses
	Montana.....	21	49,274	219	345,382	4	4,326	1	38	244	398,982	15	398,982	
	New Mexico.....	1	906			2	262	3	1,108	4	160	7	1,328	
	North Dakota.....	18	40,780							18	40,780	1	10	Total permits and licenses
Oklahoma.....	33	35,729	6	15,265	233	508,736			272	559,730	19	40,780		
Wyoming.....											272	559,730		
	Total Area 3.....	105	185,972	301	530,540	239	513,324	1	38	646	1,229,874	20	810	
4	Alaska.....	18	29,729							18	29,729	2	17	Total permits and licenses
	Eastern States Office:													
	Alabama.....	1	720							1	720			
	Minnesota.....							2	21,455	25	21,455			Total permits and licenses
Total Eastern States Of- fice.....	1	720								26	22,175			
Grant total.....	198	351,012	825	1,648,644	986	1,998,814	26	21,493	2,035	4,019,963	22	827		

1 Phosphate.

2 23 copper-nickel-uranium, 21,275 acres; 2 gravel, 80 acres.

Source: Geological Survey, U.S. Department of the Interior.

TABLE 38.—*Mineral production from public domain lands, 1960*

Area	State	Type of mineral										
		Petroleum	Natural gas	Gasoline	Liquid petroleum gas	Coal	Phos- phate rock	Potash	Silica sand	Sodium salts	Carbon dioxide	Sulphur
1	California.....	Barrels 19,041,501	Thousand cubic feet 12,820,858	Gallons 32,686,446	Gallons 35,793,112	Short tons 155	Short tons	Short tons 281,555	Short tons	Short tons 742,923	Thousand cubic feet	Short tons
	Oregon.....											
	Total Area 1.....	19,041,501	12,820,858	32,686,446	35,793,112	155		281,555		742,923		
2	Idaho.....	30,075					731,125					
	Nevada.....	5,949,312	12,917,077		5,376,075	2,532,424		38,289			69,625	
	Utah.....											
3	Total Area 2.....	5,979,387	12,917,077		5,376,075	2,532,424	731,125	38,289			69,625	
	Colorado.....	13,580,300	17,614,670	7,185,939	7,249,750	920,000			9,000	71,486		
	Kansas.....	374,977	6,488,902									
4	Montana.....	7,458,932	5,023,353	1,999,642	3,150,412	59,000	678,400					3,449
	New Mexico.....	24,516,594	294,899,708	42,185,078	59,463,095	21,837						
	North Dakota.....	193,787	381,234		329,760							
4	Oklahoma.....	247,574	512,972	468,277	272,094	234,066		120,421				
	South Dakota.....	16,846										
	Wyoming.....	74,706,454	106,501,958	38,428,075	68,949,711	657,172			232,803		126,529	
4	Total Area 3.....	121,097,464	431,422,797	90,265,011	139,085,062	2,222,435	678,400	120,421	269,771	71,486	129,978	
	Alaska.....	208,762				663,798						
	Eastern States Office: Louisiana..... Mississippi.....	791,855 3,148	4,973,729 11,792	240,880	986,857							
4	Total Eastern States Office.....	795,003	4,985,521	240,880	986,857							
	Grand total.....	147,122,117	462,146,253	123,192,337	181,241,106	5,418,812	1,409,525	158,710	1,012,694	141,111	129,978	

Source: Geological Survey, U.S. Department of the Interior.

TABLE 39.—*Mineral production from acquired lands, 1960*

Type of mineral and State	Volume of production	Unit	Type of mineral and State	Volume of production	Unit
Clay: Utah.....	4,713	Short ton.	Petroleum—Continued		
Coal:			Louisiana.....	3,187,286	Barrel.
Illinois.....	14,323	Do.	Michigan.....	5,199	Do.
Kentucky.....	13,684	Do.	Mississippi.....	792,949	Do.
Ohio.....	847	Do.	Montana.....	601,635	Do.
Total coal.....	28,854	Do.	North Dakota.....	627,329	Do.
Feldspar: Georgia.....	6,470	Do.	Ohio.....	14,740	Do.
Fluorspar: Illinois.....	10,757	Do.	Oklahoma.....	4,173	Do.
Iron ore: Missouri.....	806	Do.	Pennsylvania.....	264	Do.
Manganese:			Texas.....	9,188	Do.
Tennessee.....	285	Do.	Wyoming.....	62,123	Do.
Virginia.....	851	Do.	Total petroleum.....	5,363,022	Do.
Total manganese.....	1,136	Do.	Natural gas:		
Mica: North Carolina.....	3	Do.	California.....	2,000,759	Thousand cubic feet.
Phosphate: Florida.....	4,870	Do.	Colorado.....	105,105	Do.
Quartz: California.....	10,511	Do.	Kansas.....	480,366	Do.
Quartz crystals: Arkansas.	3	Do.	Louisiana.....	12,446,684	Do.
Quartzite: Virginia.....	60,508	Do.	Maryland.....	349,530	Do.
Rock, stone: North Carolina.	675	Do.	Michigan.....	40,590	Do.
Sand, gravel: Louisiana..	322,777	Do.	Mississippi.....	7,052,222	Do.
Grand total minerals other than oil and gas.	452,083	Do.	North Dakota.....	567,917	Do.
Petroleum:			Ohio.....	38,705	Do.
Alabama.....	16,292	Barrel.	Oklahoma.....	196	Do.
California.....	1,452	Do.	Pennsylvania.....	1,542	Do.
Colorado.....	35,477	Do.	Texas.....	504,064	Do.
Indiana.....	385	Do.	West Virginia.....	7,125,471	Do.
Kentucky.....	4,530	Do.	Total natural gas.....	30,713,151	Do.
			Gasoline:		
			Colorado.....	34,862	Gallon.
			Oklahoma.....	11,029	Do.
			Texas.....	573,192	Do.
			Total gasoline.....	619,083	Do.
			Liquid petroleum gas:		
			Oklahoma.....	21,334	Do.
			Texas.....	20,796	Do.
			Total liquid petroleum gas.	42,130	Do.

NOTE.—Data estimated in part.

Source: Geological Survey, U.S. Department of the Interior.

TABLE 40.—*Oil and gas leases and production on the outer continental shelf, 1960*

State	Production		Oil and gas leases	
	Petroleum	Gas	Number	Acres
	<i>Barrels</i>	<i>Thousand cubic feet</i>		
Florida.....			23	132,480
Louisiana.....	35,774,800	207,066,923	439	1,728,449
Texas.....			64	277,920
Total.....	35,774,800	207,066,923	526	2,138,849

NOTE.—Estimated in part.

TABLE 41.—*Mineral production from military and other Federal lands, 1960*

Mineral and State	Volume of production	Unit
Liquid petroleum gas: Texas.....	259,073	Gallons.
Gasoline: Texas.....	243,237	Do.
Gas:		
Louisiana.....	36,652,607	Thousand cubic feet.
Texas.....	1,093,402	Do.
Total.....	37,746,009	Do.
Petroleum:		
Kentucky.....	35,120	Barrels.
Louisiana.....	1,062,300	Do.
Texas.....	191,543	Do.
Total.....	1,288,963	Do.

TABLE 42.—*Mineral leases, licenses, and permits on acquired lands as of June 30, 1960*

Area	State	Oil and gas leases		Other minerals		Total	
		Number	Acres	Number	Acres	Number	Acres
1	California.....	44	¹ 10,033	3	931	47	10,964
	Oregon.....	67	15,504	1	80	68	15,584
	Washington.....	4	3,820	-----	-----	4	3,820
	Total Area 1.....	115	29,357	4	1,011	119	30,368
2	Arizona.....	6	4,280	-----	-----	6	4,280
	Idaho.....	3	484	3	240	6	724
	Nevada.....	9	6,129	2	680	11	6,809
	Utah.....	38	34,775	1	200	39	34,975
	Total Area 2.....	56	45,668	6	1,120	62	46,788
3	Colorado.....	591	587,409	2	13	593	587,422
	Kansas.....	332	77,310	-----	-----	332	77,310
	Montana.....	1,052	881,406	4	1,870	1,056	883,276
	Nebraska.....	123	85,445	-----	-----	123	85,445
	New Mexico.....	37	23,285	17	15,133	54	38,418
	North Dakota.....	1,223	927,766	22	11,987	1,245	939,753
	Oklahoma.....	176	² 68,478	1	1,120	177	69,598
	South Dakota.....	187	170,086	-----	-----	187	170,086
	Texas.....	106	³ 46,730	-----	-----	106	46,730
	Wyoming.....	298	138,306	1	280	299	138,586
	Total Area 3.....	4,125	3,006,221	47	30,403	4,172	3,036,624
	Eastern States Office:	-----	-----	-----	-----	-----	-----
	Alabama.....	21	19,948	-----	-----	21	19,948
	Arkansas.....	279	265,023	23	6,157	302	271,180
	Florida.....	129	248,797	6	1,329	135	250,126
	Georgia.....	-----	-----	13	2,894	13	2,894
	Illinois.....	17	4,443	27	7,312	44	11,755
	Indiana.....	11	3,845	-----	-----	11	3,845
	Kentucky.....	14	⁴ 14,657	1	458	15	15,115
	Louisiana.....	194	⁵ 203,144	8	3,168	202	206,312
	Maine.....	-----	-----	4	131	4	131
	Maryland.....	4	3,816	-----	-----	4	3,816
	Michigan.....	54	16,598	4	760	58	17,358
	Minnesota.....	-----	-----	9	2,344	9	2,344
	Mississippi.....	1,641	864,432	-----	-----	1,641	864,432
	Missouri.....	-----	-----	117	122,903	117	122,903
	North Carolina.....	-----	-----	22	3,737	22	3,737
	Ohio.....	10	2,582	1	196	11	2,778
	Pennsylvania.....	1	192	-----	-----	1	192
	Tennessee.....	-----	-----	8	3,923	8	3,923
	Vermont.....	-----	-----	1	990	1	990
	Virginia.....	12	19,089	14	8,563	26	27,652
	West Virginia.....	115	150,074	-----	-----	115	150,074
	Wisconsin.....	-----	-----	6	3,346	6	3,346
	Total Eastern States Office..	2,502	1,816,640	264	168,211	2,766	1,984,851
	Grand total.....	6,798	4,897,886	321	200,745	7,119	5,098,631

¹ Includes alien property 1 lease, 946 acres.² Includes military land 1 lease, 320 acres.³ Includes military land 12 leases, 3,679 acres.⁴ Includes military land 2 leases, 890 acres.⁵ Includes military land 4 leases, 4,135 acres.

Source: Geological Survey, U.S. Department of the Interior.

TABLE 43.—*Mineral leases on public lands as of June 30, 1960*

Area	State	Oil and gas		Coal		Other		Total	
		Num- ber	Acres	Num- ber	Acres	Num- ber	Acres	Num- ber	Acres
1	California.....	¹ 4,836	1,783,204	1	80	² 18	22,699	4,855	1,805,983
	Oregon.....	478	376,906	2	1,418	-----	-----	480	378,324
	Washington.....	51	30,045	1	320	-----	-----	52	30,365
	Total Area 1....	5,365	2,190,155	4	1,818	18	22,699	5,387	2,214,672
		-----	-----	-----	-----	-----	-----	-----	-----
2	Arizona.....	3,915	3,632,708	-----	-----	³ 14	7,447	3,929	3,640,155
	Idaho.....	417	618,197	1	461	⁴ 48	29,266	466	647,924
	Nevada.....	2,925	1,254,846	-----	-----	⁵ 8	2,343	2,933	1,257,189
	Utah.....	29,432	18,134,561	77	59,272	⁶ 18	27,827	29,527	18,221,660
	Total Area 2....	36,689	23,640,312	78	59,733	88	66,883	36,855	23,766,928
3	Colorado.....	13,237	10,488,242	68	32,319	⁷ 2	752	13,307	10,521,313
	Kansas.....	174	56,922	-----	-----	-----	-----	174	56,922
	Montana.....	8,274	6,746,453	19	3,301	⁴ 22	18,236	8,315	6,767,990
	Nebraska.....	172	54,723	-----	-----	-----	-----	172	54,723
	New Mexico.....	13,588	10,056,201	18	2,126	⁸ 78	126,289	13,684	10,184,616
	North Dakota.....	944	317,902	15	4,996	⁹ 1	800	960	323,698
	Oklahoma.....	652	116,865	40	51,471	¹⁰ 1	160	693	158,496
	South Dakota.....	1,068	938,920	-----	-----	-----	-----	1,068	938,920
	Texas.....	¹¹ 64	277,920	-----	-----	-----	-----	64	277,920
	Wyoming.....	41,634	23,782,094	39	27,985	¹² 19	34,568	41,692	23,844,647
	Total Area 3....	79,807	52,836,242	199	122,198	123	180,805	80,129	53,139,245
		-----	-----	-----	-----	-----	-----	-----	-----
4	Alaska.....	16,547	34,908,143	13	15,523	-----	-----	16,560	34,923,666
	Eastern States Office:	-----	-----	-----	-----	-----	-----	-----	-----
	Alabama.....	102	14,680	-----	-----	-----	-----	102	14,680
	Arkansas.....	341	299,964	-----	-----	-----	-----	341	299,964
	Florida.....	¹³ 51	136,694	-----	-----	-----	-----	51	136,694
	Indiana.....	1	320	-----	-----	-----	-----	1	320
	Louisiana.....	¹⁴ 862	1,783,053	-----	-----	-----	-----	862	1,783,053
	Michigan.....	42	5,790	-----	-----	-----	-----	42	5,798
	Mississippi.....	272	26,188	-----	-----	-----	-----	272	26,180
	Total Eastern States Office..	1,671	2,236,689	-----	-----	-----	-----	1,671	2,236,689
	Grand total....	140,079	115,811,541	294	199,272	229	270,387	140,602	116,281,200

¹ Includes Naval petroleum reserve No. 2—17 leases, 9,226 acres.² 5 potash, 8,953 acres; 12 sodium, 13,666 acres; 1 tungsten, 80 acres.³ 2 phosphate, 306 acres; 2 sodium, 1,771 acres; 10 uranium, 5,370 acres.⁴ Phosphate.⁵ 2 barite, 720 acres; 1 manganese, 302 acres; 2 silica sand, 481 acres; 3 tungsten, 840 acres.⁶ 4 phosphate, 3,723 acres; 14 potash, 24,104 acres.⁷ 1 potash, 632 acres; 1 sodium, 120 acres.⁸ Potash.⁹ Sodium.¹⁰ Sand.¹¹ Outer Continental Shelf.¹² 2 phosphate, 2,562 acres; 17 sodium, 32,006 acres.¹³ Includes Outer Continental Shelf—23 leases, 132,480 acres.¹⁴ Includes Outer Continental Shelf—439 leases, 1,725,649 acres.

TABLE 44.—Competitive mineral leases issued and bonuses received, 1960

Area	State and type of mineral	Public domain lands		Acquired lands		Total	
		Area leased	Bonus received	Area leased	Bonus received	Area leased	Bonus received
2	Oil and gas: Utah.....	<i>Acres</i> 240.00	\$195.84	<i>Acres</i> -----	-----	<i>Acres</i> 240.00	\$195.84
3	Colorado.....	1,394.00	102,518.00	-----	-----	1,394.00	102,518.00
	Kansas.....	80.00	1,269.60	160	\$2,817.60	240.00	4,087.20
	New Mexico.....	3,036.00	301,405.00	-----	-----	3,036.00	301,405.00
	Oklahoma.....	137.00	9,575.00	-----	-----	137.00	9,575.00
	Wyoming.....	2,961.71	33,796.50	40	2,127.60	3,001.71	35,924.10
	Total Area 3.....	7,608.71	448,564.10	200	4,945.20	7,808.71	453,509.30
4	Alaska (Fairbanks).....	9,105.00	206,027.10	-----	-----	9,105.00	206,027.10
	Eastern States Office:						
	Arkansas.....	408.28	253.13	3,682.68	2,246.58	4,090.96	2,499.71
	Louisiana.....	199.70	2,091.20	-----	-----	199.70	2,091.20
	Mississippi.....	-----	-----	100.02	2,500.50	100.02	2,500.50
	Virginia.....	-----	-----	402.00	2,042.16	402.00	2,042.16
	Total Eastern States Office.....	607.98	2,344.33	4,184.70	6,789.24	4,792.68	9,133.57
	Total oil and gas.....	17,561.69	657,131.37	4,384.70	11,734.44	21,946.39	668,865.81
2	Coal:						
	Utah.....	1,160.00	1,240.00	-----	-----	1,160.00	1,240.00
3	Colorado.....	1,958.00	6,575.00	-----	-----	1,958.00	6,575.00
	Wyoming.....	1,240.00	1,240.00	-----	-----	1,240.00	1,240.00
	Total Area 3.....	3,198.00	7,815.00	-----	-----	3,198.00	7,815.00
	Total coal.....	4,358.00	9,055.00	-----	-----	4,358.00	9,055.00
	Other minerals:						
	Sodium:						
1	California.....	10.00	26,000.00	-----	-----	10.00	26,000.00
3	Wyoming.....	4,973.24	69,037.40	-----	-----	4,973.24	69,037.40
	Total sodium.....	4,983.24	95,037.40	-----	-----	4,983.24	95,037.40
	Mica:						
2	Idaho.....	-----	-----	40.00	40.00	40.00	40.00
3	Diatomaceous earth:						
	New Mexico.....	-----	-----	160.00	328.00	160.00	328.00
2	Phosphate:						
	Utah.....	1,806.88	2,811.00	-----	-----	1,806.88	2,811.00
3	Montana.....	400.00	4,020.00	-----	-----	400.00	4,020.00
	Total phosphate.....	2,206.88	6,831.00	-----	-----	2,206.88	6,831.00
	Grand total.....	29,109.81	768,054.77	4,584.70	12,102.44	33,694.51	780,157.21

TABLE 45.—Disposition of materials other than timber, 1960

Area	State and method	Material	Quantity	Value
Sales				
1	California.....	Gypsum.....	101,542.42 tons.....	\$45,906.81
		Volcanic cinders.....	10 tons.....	20.00
		Lava rock.....	43 83 tons.....	53.83
		Road material.....	24,000 cubic yards.....	960.00
	Oregon: O&C lands.....	Rock.....	34,950 cubic yards.....	1,957.00
		Rock.....	6,000 cubic yards.....	600.00
		Shale.....	500 cubic yards.....	25.00
		Gravel and rock fill.....	20,000 cubic yards.....	900.00
	Public domain lands.....	Volcanic cinders.....	900 cubic yards.....	36.00
	Total, Area 1.....			50,453.64
2	Arizona.....	Yuca.....	1,000 tons.....	750.00
		Sand and gravel.....	10,100 yards.....	506.00
		Building stone.....	400 tons.....	100.00
		Clay and shale.....	16,000 cubic yards.....	800.00
	Idaho.....	Gravel.....	44,140 yards.....	2,207.00
		Common barrow.....	23,000 yards.....	690.00
		Topsoil.....	258 yards.....	129.00
	Nevada.....	Topsoil.....	100 yards.....	5.00
		Fill material.....	5,000 yards.....	250.00
		Gravel.....	2,240 yards.....	112.00
	Utah.....	Sand.....	8,050 yards.....	621.00
		Sand and gravel.....	2,630 yards.....	137.50
		Stone.....	200 tons.....	20.00
		Fill material.....	6,000 yards.....	60.00
	Total, Area 2.....			6,387.50
3	Colorado.....			
	Montana.....	Hay, crested wheatgrass.....	1,944 acres.....	3,347.00
		Hay, native.....	300 tons.....	312.00
		Seed, crested wheatgrass.....	125,211 pounds.....	10,450.60
	New Mexico.....	Gravel.....	19,500 cubic yards.....	975.00
		Scoria.....	2,633 cubic yards.....	131.65
		Earthfill.....	40,000 cubic yards.....	1,200.00
		Gravel.....	32,000 cubic yards.....	583.50
		Rock.....	2,600 cubic yards.....	260.00
		Sand and gravel.....	115,226 cubic yards.....	5,857.09
	Wyoming.....	Shale.....	1,550 cubic yards.....	255.00
		Caliche.....	13,645 cubic yards.....	1,364.50
		Gravel.....	48,657 cubic yards.....	3,488.99
		Pumice.....	6,000 cubic yards.....	325.00
		Rock.....	750 cubic yards.....	75.00
		Limestone.....	38,000 tons.....	2,285.00
	Total, Area 3.....			30,910.33
4	Alaska.....	Gravel.....	24,301 cubic yards.....	3,444.65
		Rock.....	100 cubic yards.....	5.00
		Hay.....	4 tons.....	20.00
	Total, Area 4.....			3,469.65
	Total sales.....			91,226.12

TABLE 45.—Disposition of material other than timber, 1960—Continued

Area	State and method	Material	Quantity	Value
Free use permit				
1	California.....	Desert vegetation.....	30 specimens.....	\$30.00
		Stone wall.....	20,000 cubic yards.....	900.00
		Dirt for fill.....	1,080,000 tons.....	32,400.00
		Sand.....	80 cubic yards.....	9.60
		Road material.....	360,000 cubic yards.....	27,000.00
		Gravel.....	250,000 cubic yards.....	30,000.00
		Volcanic cinders.....	33,200 cubic yards.....	2,260.00
		Pumice material.....	12,000 cubic yards.....	1,200.00
	Oregon: O&C lands.....	Gravel.....	50,000 cubic yards.....	2,500.00
		Cinders.....	40,000 cubic yards.....	2,000.00
	Public domain lands.....	Rock.....	28,180 cubic yards.....	1,409.00
		Quarry rock.....	200,000 cubic yards.....	10,000.00
	Washington.....	Stone aggregate.....	370,000 cubic yards.....	32,600.00
	Total Area 1.....			142,308.60 ²
2	Arizona.....	Road construction material. ¹	2,242,000 cubic yards.... (37 permits) Amount not specified on balance permits.	(²)
		Rip rap rock.....	500 tons.....	(²)
		Rock.....	10,000 cubic yards.....	(²)
	Idaho.....	Gravel.....	319,500 yards.....	14,975.00
		Shale rock.....	150,000 yards.....	22,500.00
		Christmas trees.....	33.....	33.00
	Nevada.....	Gravel.....	200,000 yards.....	10,000.00
	Utah.....	Fill material.....	2,000 cubic yards.....	(²)
		Gravel.....	6,000 cubic yards.....	(²)
	Total Area 2.....			47,508.00
3	Colorado.....	Gravel.....	52,457 yards.....	2,955.42
		Topsoil.....	20 yards.....	10.00
		Rip rap rock.....	3,050 yards.....	152.50
		Flagstone.....	25 tons.....	25.00
	Montana.....	Gravel.....	8,500 cubic yards.....	425.00
		Gravel.....	10,400 cubic yards.....	936.00
		Sand and gravel.....	85,000 cubic yards.....	5,895.00
	New Mexico.....	Unclassified fill material.	130,600 cubic yards.....	12,154.00
		Gravel.....	77,667 cubic yards.....	5,526.69
	Wyoming.....	Gravel.....	32,000 tons.....	2,560.00
		Earth barrow.....	2,500 cubic yards.....	250.00
	Total Area 3.....			30,889.61
4	Alaska.....	Gravel.....	3,518,144 cubic yards.....	527,721.60
	Total free use permits.....			748,427.81
	Grand total.....			839,653.93

¹ 49 permits issued to Arizona Highway Department; 3 to Pinal County Highway Department, and 5 to Maricopa County Highway Department.

² No value specified.

NOTE.—Dispositions of materials made under the act of July 31, 1947 (61 Stat. 681; 30 U.S.C. 601).

TABLE 46.—Activity in mining locations under Public Laws 167, 357, and 359, 1960

Area	State	Public Law 167				Public Law 357		Public Law 359 (Forest Service and Bureau of Land Management)				Affidavits of labor filed	
		Area 1 published to June 30, 1959	Area 1 published during 1960	Veri- fied state- ments	Claims in veri- fied state- ments	Claims exam- ined	Loca- tion certi- ficates filed	Area examined		Claims examined		Location certifi- cates filed	
		Acres	Acres	Number	Number	Number	Number	FS	BLM	FS	BLM	FS	BLM
1	California.....	3,389,869	2,464,554	242	898	.....	.....	Acres	2,525	280	25	Number	24
	Oregon.....	1,540,074	294,672	31	135	.....	.....	.....	.....	.....	.....	89	10
	Washington.....	2,633,708	2,341,980	21	133	.....	.....	.....	.....	.....	.....	.....	43
	Total Area 1.....	7,563,651	3,101,206	294	1,166	.....	.....	.....	2,525	280	25	90	53
2	Arizona.....	3,094,919	3,400,181	52	444	.....	.....	.....	.....	.....	.....	.....	93
	Idaho.....	11,771,847	2,386,706	584	4,938	.....	.....	.....	140	.....	7	35	14
	Nevada.....	937,101	857,116	24	498	1	1	.....	.....	.....	.....	200	22
	Utah.....	3,993,949	2,496,987	13	376	.....	.....	.....	.....	.....	.....	.....	.....
3	Total Area 2.....	19,857,816	9,140,990	673	6,256	1	1	.....	.....	.....	7	63	129
	Colorado.....	3,640,322	4,487,281	71	465	.....	.....	.....	.....	.....	.....	.....	.....
	Montana.....	2,818,002	1,667,602	54	226	.....	.....	.....	.....	.....	.....	3	216
	New Mexico.....	5,130,891	1,463,789	3 23	3 153	.....	.....	.....	.....	.....	.....	13	2
4	South Dakota.....	603,128	207,357	4	18	1	.....	.....	.....	.....	.....	.....	.....
	Wyoming.....	211,385	18,000	1	30	.....	.....	.....	12,000	88	.....	129	3
	Total Area 3.....	12,423,728	7,844,029	153	892	1	.....	.....	.....	.....	.....	145	216
	Anchorage.....	413,300	455,000	6	49	.....	.....	.....	.....	.....	.....	.....	.....
Total Area 4.....	Juneau.....	3,282,790	1,176,000	11	147	.....	.....	.....	.....	.....	.....	.....	.....

Eastern States Office: Arkan- sas.....	.....	630,780	314,170	4	28	.....	.....	.....	.....	.....	.....	.....	.....

Total Eastern States Office.....	.....	630,780	314,170	4	28	.....	.....	.....	.....	.....	.....	.....	.....

Grand total.....	.....	44,172,065	22,031,395	1,141	8,538	2	1	.....	14,665	368	32	450	398

¹ Includes only those in which 150 days have expired since publication.² 1959 figures corrected.³ Six verified statements involving 143 claims in Mount Taylor area (FS) withdrawn and stipulations accepted.

PART 4

ADJUDICATION, APPEALS, CLASSIFICATION AND INVESTIGATION, HEARINGS

Adjudication operations started the fiscal year with a workload of 104,000 cases. New cases received and cases reactivated during the year added another 256,000 to this figure. The Bureau closed 255,000 cases (Table 47). The rate of case closures was not sufficient to keep pace with the rate of caseload buildup. As a result the unclosed adjudication caseload at the end of the year was 14 percent higher than at the beginning. This increase was made up of 11,000 minerals cases and 9,600 lands cases (Table 48).

Appeals to the Director numbered 2,491 cases at the beginning of the year. During the year 3,677 more cases were received. Although 1,300 decisions were rendered covering 3,500 cases, the appeals backlog increased 7 percent by the end of the year. The increase was made up of 345 lands cases, 182 minerals cases (T. 53).

Excluding timber and grazing activities, classification and investigation cases numbered 27,000 at the end of 1957. An inventory adjustment and new case counting method added 11,000 to this, bringing the total backlog to 38,000. Case closures during the year amounted to 47,000, but 39,000 new cases were received throughout the year. This brought the Bureau's total backlog up to 41,000 cases by the end of the reporting period (T. 54).

Land classification conducted under the authority of the Taylor Grazing act covered 3,878 separate tracts of land totaling 1,800,000 acres. Of these, 438,000 acres, or 1,157 different tracts were found suitable for disposition (T. 56 and T. 57).

Bureau Hearings operations started the year with 295 hearings cases covering 1,000 separate claims. During the year 505 cases were received covering 1,856 claims. Proceedings pending as of June 30, 1959 numbered 447 cases and 1,878 claims. Approximately 63 percent of the cases closed and 68 percent of the claims disposed of by hearings activity during the year originated from contest actions brought by the Government, chiefly under provisions of the mining and mineral laws (T. 59).

DEFINITIONS OF TERMS

Adjudication:

The interpretation of statutes and regulations, and their application to a particular set of facts.

Appeal:

A petition to the Director of the Bureau of Land Management to change or modify a decision rendered by any officer subordinate to him. The regulations governing the Bureau's operations give all parties adversely affected by decision of subordinate officers the right to appeal to the Director (43 CFR 221.1) and require the Director to render a written decision in each case appealed to him (43 CFR 221.9).

Classification:

The designation of lands as being valuable, or suitable, for specific purposes, uses, or resources.

Decision:

A decision is the reduction to writing of the adjudicative process: a decision orders the disposition of a case in a certain way, and contains a statement of the facts, laws and reasoning which require that disposition.

Hearing:

Hearings in cases the adjudication of which is based on testimony and evidence adduced at proceedings ordered and held pursuant to the U.S. Department of the Interior's rules of practice (43 CFR, Part 221) or the Federal Range Code for Grazing Districts (43 CFR, Part 161).

Investigation:

A fact-finding activity, which may include on-the-ground examination of lands, undertaken preliminary to determination and adjudication under the public land laws.

TABLE 47.—*Adjudication operations, 1960 (Summary by land office)*

Area	Land office	Unclosed cases July 1, 1959	New cases during year	Reactivated cases during year	Cases closed during year	Unclosed cases June 30, 1960
1	Spokane.....	<i>Number</i> 2,740	<i>Number</i> 7,494	<i>Number</i> 460	<i>Number</i> 6,928	<i>Number</i> 3,766
	Portland.....	4,074	1,721	785	2,661	3,919
	Sacramento.....	8,584	5,573	1,181	7,895	7,443
	Los Angeles.....	26,313	3,602	3,640	15,256	18,299
	Total Area 1.....	41,711	18,390	6,066	32,740	33,427
2	Boise.....	4,328	1,517	980	3,321	3,504
	Salt Lake City.....	4,259	24,215	5,991	29,359	5,106
	Reno.....	11,863	3,744	4,824	11,842	8,589
	Phoenix.....	5,576	8,789	1,956	7,671	8,650
	Total Area 2.....	26,026	38,265	13,751	52,193	25,849
3	Billings ¹	3,080	7,303	3,564	11,264	2,683
	Cheyenne ²	8,427	37,181	9,342	43,795	11,155
	Denver.....	2,930	18,430	6,521	24,742	3,139
	Santa Fe ³	9,128	55,945	4,286	54,240	15,119
	Total Area 3.....	23,565	118,859	23,713	134,041	32,096
4	Anchorage.....	7,201	5,044	13,153	19,949	5,449
	Fairbanks.....	1,768	8,000	720	7,651	2,837
	Juneau.....	734	2,522	288	769	2,775
	Total Area 4.....	9,703	15,566	14,161	28,369	11,061
	Eastern States Land Office ⁴	2,394	3,323	1,299	4,590	2,426
	Branch of Field Service.....	347	1,911	215	2,098	375
	Outer Continental Shelf.....	25	273	219	505	12
	Grand total.....	103,771	196,587	59,424	254,536	105,246

¹ Includes North Dakota and South Dakota.² Includes Kansas and Nebraska.³ Includes Oklahoma and Texas.⁴ All public land States east of the Mississippi River and Arkansas, Iowa, Louisiana, Minnesota, and Missouri.

TABLE 48.—*Adjudication operations, 1960 (summary by type of case)*

Type of case	Unclosed cases July 1, 1959	New cases during year	Reactivated cases during year	Cases closed during year	Unclosed cases June 30, 1960
Lands adjudication					
Title transfers:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Homestead.....	2,977	2,625	4,423	6,579	3,446
Desert land.....	6,756	1,629	862	5,427	3,820
Public sales.....	3,761	2,084	141	2,043	3,943
Selections.....	1,244	903	214	755	1,606
Exchanges.....	948	280	33	362	899
Land title cases.....	3,245	3,242	1,731	5,363	2,855
Small tract (unclassified land).....	21,230	3,567		7,516	17,281
Small tract applications and drawing (classified land).....	4,950	575	4,225	5,460	4,290
Small tract auction.....	342	1,464	86	1,731	161
Small tract (options).....	5,259	16	4,903	7,207	2,971
Recreation and public purposes sales.....	454	232	95	228	553
Total title transfers.....	51,166	16,617	16,713	42,671	41,825
Leases and permits:					
Nonmineral leases.....	108	76	44	79	149
Rights-of-way.....	1,660	1,909	1,204	3,377	1,396
Nonmineral permits.....	598	780	490	1,452	416
Nonmineral material sales.....	13	124	89	179	47
Recreation and public purposes leases.....	99	97	25	92	129
Small tract leases.....	159	26	99	126	158
Total leases and permits.....	2,637	3,012	1,951	5,305	2,295
Investigations:					
Trespass.....	4	4	1	3	6
Other case types.....	131	199	4	236	98
Total investigations.....	135	203	5	239	104
Other tenure actions:					
Withdrawals and reservations.....	662	132	82	274	602
Revocations and restorations.....	330	261	84	169	506
Offers of excess land to General Services Administration.....	3	24	2	24	5
Total other tenure actions.....	995	417	168	467	1,113
Total lands adjudication.....	54,933	20,249	18,837	48,682	45,337

TABLE 48.—*Adjudication operations, 1960 (summary by type of case)*—Continued

Type of case	Unclosed cases July 1, 1959	New cases during year	Reac- tivated cases during year	Cases closed during year	Unclosed cases June 30, 1960
Minerals adjudication					
Title transfers:					
Mineral entries (BLM and other).....	502	176	19	213	484
Mineral entries (national forest).....	263	74	15	92	260
Land disposition conflicts.....	775	2,766	4	942	2,603
Mineral classification.....	106	85	2	141	52
Total title transfers.....	1,646	3,101	40	1,388	3,399
Permits and leases:					
Oil and gas noncompetitive and competitive (public domain).....	18,069	113,639	34,557	139,231	27,034
Oil and gas noncompetitive and competitive (acquired land).....	2,240	3,004	1,763	4,494	2,513
Oil and gas assignments and transfers.....	7,261	27,739		28,566	6,434
Oil and gas overriding royalty assignments.....		7,840		7,840	
Other permits and leases.....	57	13	243	260	53
Coal.....	318	195	267	445	335
Potassium.....	421	257	807	1,291	194
Phosphate.....	26	107	25	48	110
Sodium.....	885	385	528	1,439	359
Hardrock (reorganization plan No. 3).....	480	171	266	682	235
Mineral material sales (common varieties).....	39	194	54	213	74
Outer Continental Shelf (sec. 6).....	33	191	2	218	8
Total permits and leases.....	29,829	153,735	38,512	184,727	37,349
Investigations (nonreimbursable):					
Surface management (BLM and other).....	1,167	271	159	845	752
Surface management (Forest Service).....	10,054	4,033	489	4,410	10,166
Uranium-coal mining claims.....		21		16	5
Powersite mining claims (BLM).....	735	164	802	1,357	344
Powersite mining claims (Forest Service and other).....	56	456	31	379	164
Mineral claims and leases.....	181	91	2	134	140
Multiple use conflicts (nondisposition).....	852	150	149	586	565
Special laws.....	841	3,438	266	1,311	3,234
Other compliance.....		7		1	6
Total nonreimbursable investigations.....	13,886	8,631	1,898	9,039	15,376
Investigations (reimbursable).....	3,477	10,871	137	10,700	3,785
Total minerals adjudication.....	48,838	176,338	40,587	205,854	59,909
Grand total.....	103,771	196,587	59,424	254,536	105,246

TABLE 49.—*Adjudication cases closed, 1960*

Type of case	Area 1				Area 2				Area 3			
	Spokane	Portland	Sacra- mento	Los Angeles	Boise	Salt Lake City	Reno	Phoenix	Billings	Cheyenne	Denver	Santa Fe
Lands adjudication												
Title transfers:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Homestead.....	12	25	18	70	195	55	138	371	85	91	53	61
Desert land.....	1	75	26	2,664	553	81	1,771	53	2	107	18	76
Public sales.....	94	44	193	139	122	51	74	290	197	98	448	119
Selections.....	86	25	18	46	7	61	9	135	1	1	1	45
Exchanges.....	2	30	14	36	22	41	93	73	26	5	31	11
Land title cases.....	8	12	64	20	18	5	740	14	34	91	54	20
Small tract (unclassified land).....	3	21	866	3,631	24	65	123	1,799	6	26	35	230
Small tract application and drawing (classified land).....	1	16	45	1,405	-----	55	1,914	115	3	18	88	13
Small tract (auction).....	29	-----	201	709	8	182	27	239	-----	4	41	68
Small tract (options).....	1	50	94	2,728	26	68	2,273	1,107	4	39	3	129
Recreation and public purposes sales.....	13	8	7	3	9	11	14	6	8	7	11	17
Total title transfers.....	250	306	1,546	11,471	984	675	7,126	4,202	366	482	749	823
Leases and permits:												
Nonmineral leases.....	-----	6	-----	3	2	3	8	3	1	1	2	2
Rights-of-way.....	73	148	162	152	173	106	431	127	93	209	103	1,374
Nonmineral permits.....	21	480	38	111	209	67	82	18	38	13	31	64
Nonmineral material sales.....	-----	2	-----	-----	-----	1	-----	-----	-----	-----	-----	2
Recreation and public purposes leases.....	35	-----	6	-----	-----	4	2	5	4	3	-----	3
Small tract leases.....	-----	34	12	-----	11	-----	8	-----	34	6	3	-----
Total leases and permits.....	129	674	218	266	396	181	531	153	170	233	139	1,445
Investigations:												
Trespass.....	63	5	-----	-----	-----	-----	150	-----	1	11	1	-----
Other case types.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total investigations.....	63	5	-----	-----	-----	-----	150	-----	1	11	1	-----
Other tenure actions:												
Withdrawals and reservations.....	3	20	1	1	10	10	18	30	13	7	30	4
Revocations and restorations.....	4	10	12	2	20	-----	25	1	18	8	13	4
Offers of excess land to GSA.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total other tenure actions.....	7	30	13	3	30	10	43	31	31	15	43	8
Total lands adjudication.....	449	1,015	1,777	11,740	1,410	866	7,850	4,386	508	741	932	2,276

Minerals adjudication											
Title transfers:											
Mineral entries (BLM and other)	3	7	14	13	11	11	12	10	91	17	13
Mineral entries (national forests)	3	10	2	7	99	355	8	39	6	4	1
Land disposal conflicts	31	211	13	6							
Mineral classification		127									
Total title transfers	37	228	29	26	110	366	20	49	97	21	14
Permits and leases:											
Oil and gas noncompetitive (public domain)											
Oil and gas noncompetitive (public domain)	25	370	2,238	153	17,117	1,959	1,353	6,914	31,635	18,346	46,691
Oil and gas noncompetitive (acquired lands)	8	28	5	1	28	5		1,409	308	318	217
Oil and gas competitive (acquired lands)		475	237		5,387	545	581	1,731	9,006	2,877	3,825
Oil and gas assignments and transfers		86	12		880	8		1,112	932	442	532
Oil and gas overriding royalty assignments	1	2		2			7	1	2		4
Other permits and leases	4	8		3	151	2	1	22	59	65	26
Potassium			41		728	43	74		6	23	376
Phosphate				20	4	2	2	12			
Sodium		19	769			208	47		8		5
Hardrock (reorganization plan No. 3)		5		6	163	1		11	2		57
Mineral material sales (common varieties)	6	3		13	3		65	3	10	1	35
Outer Continental Shelf (Sec. 6)											
Total permits and leases	44	521	3,322	198	24,467	2,781	2,130	10,215	42,953	22,072	51,768
Investigations (nonreimbursable):											
Surface management (BLM and other)		80	10	533				52	1	57	
Surface management (Forest Service)	229	253	695	955	322	458	316	384		425	182
Uranium-Coal mining claims								16			
Powersite mining claims (BLM)	2	33	29	36	137				3	1,117	
Powersite mining claims (Forest Service and other)	43	5	48	120		10	98			36	
Mineral claims and leases	17	147			133						
Multiple use conflicts	10	430		41	5	276	18			82	
Special laws					1	101	708				
Other compliance				1							
Total investigations (nonreimbursable)	299	897	165	1,687	598	845	1,135	432	4	1,717	182
Investigations (reimbursable)											
	6,099				3,318						
Total minerals adjudication	6,479	1,646	3,516	1,911	28,493	3,992	3,285	10,696	43,054	23,810	51,964
Grand total	6,928	2,661	15,256	3,321	29,359	11,842	7,671	11,264	43,795	24,742	54,240

TABLE 49.—*Adjudication cases closed, 1960—Continued*

Type of case	Area 4			Eastern States Land Office	Outer Continental Shelf Office	Washington Office Branch of Field Services	Total
	Anchorage	Fairbanks	Juneau				
	Number	Number	Number	Number	Number	Number	Number
Lands adjudication							
Title transfers:							
Homestead.....	4,957	360	33	33	---	22	6,579
Desert land.....	70	---	---	---	---	---	5,427
Public sales.....	163	6	3	75	---	---	2,043
Selections.....	---	---	3	17	---	138	755
Exchanges.....	---	---	---	13	---	15	362
Land title cases.....	1,809	264	127	168	---	1,915	5,363
Small tract (unclassified land).....	555	112	14	6	---	---	7,516
Small tract application and drawing (classified land).....	1,561	67	149	10	---	---	5,460
Small tract (auction).....	168	34	24	1	---	---	1,731
Small tract (options).....	527	85	73	---	---	---	7,207
Recreation and public purposes sales.....	80	8	12	14	---	---	7,228
Total title transfers.....	9,890	936	438	337	---	2,090	42,671
Leases and permits:							
Nonmineral leases.....	33	13	2	---	---	---	79
Rights-of-way.....	111	38	37	32	---	8	3,377
Nonmineral permits.....	216	23	40	1	---	---	1,432
Nonmineral material sales.....	1	100	57	15	---	---	1,179
Recreation and public purposes leases.....	24	---	---	---	---	---	192
Small tract leases.....	18	---	---	---	---	---	126
Total leases and permits.....	403	174	136	49	---	8	5,305
Investigations:							
Trespass.....	---	---	---	---	---	---	3
Other case types.....	2	---	3	---	---	---	236
Total investigations.....	2	---	6	---	---	---	239
Other tenure actions:							
Withdrawals and reservations.....	85	34	13	4	---	---	283
Revocations and restorations.....	24	15	4	---	---	---	160
Offers of excess land to GSA.....	---	---	24	---	---	---	24
Total other tenure actions.....	109	49	41	4	---	---	467
Total lands adjudication.....	10,404	1,159	621	390	---	2,098	48,682

Minerals adjudication

Title transfers:

	1	2	3	60	1
Mineral entries (BLM and other)	1	2	3	60	1
Mineral entries (national forests)	---	---	---	---	---
Land disposal conflicts	---	---	---	---	---
Mineral classification	---	---	---	---	---
Total U.S.	213	92	92	942	141

Total title transfers..

Permits and leases:

Category	1990	1991	1992	1993	1994
Oil and gas noncompetitive (public domain)	7,390	982	1	909	139,231
Oil and gas noncompetitive (public domain)					
Oil and gas noncompetitive (acquired lands)				2,148	4,494
Oil and gas noncompetitive (acquired lands)				682	28,566
Oil and gas assignments and transfers	1,361	1,081	1		7,840
Oil and gas assignments and transfers	563	4,343		4	
Oil and gas overriding royalty assignments					
Other permits and leases	1			9	260
Coal				222	445
Potassium	89	11		4	1,291
Phosphate					48
Sodium					1,439
Hardrock (reorganization plan No. 3)				436	682
Mineral material sales (common varieties)		74			213
Outer Continental Shelf (sec. 6)				6	218

Total permits and leases—

Investigations (nonreimbursable):

Surface management (BLM and other).....	112	845
Surface management (Forest Service).....	29	4,410
Uranium-Coal mining claims.....	80	16
Powerite mining claims (BLM).....	—	1,357
Powerite mining claims (Forest Service and other).....	—	379
Mineral claims and leases.....	—	134
Multiple use conflicts.....	—	586
Special laws.....	—	1,311
Other compliance.....	—	—

Total investigations (nonreimbursable)

Investigations (reimbursable)

10,700	1	505	205,854
254,536	769	4,590	2,098
Grand Total	19,949	7,651	505
Total mineral adjudication	9,545	6,492	148

Grand Total.

Grain and Oil	19,949	769	4,590	505	2,098	254,530
Grain	19,949	769	4,590	505	2,098	254,530
Oil	---	---	---	---	---	---

TABLE 50.—*New adjudication cases received, 1960*

Type of case	Area 1				Area 2				Area 3			
	Spokane	Portland	Sacra- mento	Los Angeles	Boise	Salt Lake City	Reno	Phoenix	Billings	Cheyenne	Denver	Santa Fe
Lands adjudication												
Title transfers:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Homesite	3	17	18	20	10	34	49	1,308	10	10	13	21
Desert land	1	31	6	127	397	32	895	---	1	20	3	116
Public sales	91	82	280	196	124	214	77	298	134	87	437	125
Selections	62	2	8	8	---	---	2	23	---	---	3	1
Exchanges	---	38	14	15	20	26	52	40	24	12	14	13
Land title cases	12	8	16	11	7	---	243	48	9	74	9	40
Small tract (unclassified land)	4	36	677	119	46	91	146	1,484	8	112	26	95
Small tract application and drawing (classified land)	---	10	7	59	---	57	141	---	5	9	12	28
Small tract (auction)	---	3	196	714	---	135	31	108	---	---	32	67
Small tract (options)	---	14	6	24	20	14	14	31	7	8	6	18
Recreation and public purposes sales	5	---	---	---	---	---	---	---	---	---	---	---
Total title transfers	178	241	1,228	1,294	624	680	1,650	3,340	198	332	555	524
Leases and permits:												
Nonmineral leases	---	41	1	7	3	1	4	---	---	1	3	1
Rights-of-way	52	89	77	89	127	88	122	82	65	155	56	493
Nonmineral permits	12	447	19	17	66	33	38	14	23	15	19	30
Nonmineral material sales	---	1	---	---	---	1	---	---	1	1	---	---
Recreation and public purposes leases	39	11	4	18	5	9	6	5	1	1	---	---
Small tract leases	---	3	1	---	---	---	---	---	2	---	---	---
Total leases and permits	103	592	102	135	201	132	170	101	92	173	78	524
Investigations:												
Trespass	---	---	---	---	---	---	---	---	---	---	---	---
Other case types	112	8	---	---	2	---	26	---	1	46	1	---
Total Investigations	112	8	---	---	2	---	26	---	1	46	1	---
Other tenure actions:												
Withdrawals and reservations	3	15	6	6	11	7	4	3	11	9	10	9
Revocations and restorations	13	23	33	31	16	3	34	2	19	11	10	11
Offers of excess land to GSA	---	---	---	---	---	---	---	---	---	---	---	---
Total other tenure actions	16	38	39	37	27	10	38	5	30	20	20	20
Total lands adjudication	409	879	1,369	1,466	854	822	1,884	3,446	321	571	654	1,068

Minerals adjudication

Title transfers:											
Mineral entries (BLM and other)	5	6	16	2	6	7	34	63	19	5	
Mineral entries (national forests)	3	12	4	1	1		24	1		1	
Land disposal conflicts	15	176		46	127	287	51				
Mineral classification		83	1								
Total title transfers	15	277	21	49	133	294	109	28	19	6	
Permits and leases:											
Oil and gas noncompetitive (public domain)	7	68	2,379	1,412	24	495	932	4,232	13,742	50,565	
Oil and gas competitive (public domain)		3	10	9		2		636	227	131	386
Oil and gas noncompetitive (acquired lands)											
Oil and gas competitive (acquired lands)		59	407	240	5,648	518	768	1,593	9,025	2,927	3,298
Oil and gas assignments and transfers			12	12	880	8		112	856	518	542
Oil and gas overriding royalty assignments											
Other permits and leases	2			2			6	1	1	2	
Coal					61		33	3	12	22	19
Potassium				60	132	4	6		6	11	18
Phosphate					60	1	2		39		
Sodium		6	39	1	3	66	13	1	237		
Hardrock (reorganization plan No. 3)		3		1		2					
Mineral material sales (common varieties)	6	3	1	13	3		67	3	11	4	27
Outer Continental Shelf (sec. 6)											
Total permits and leases	15	139	2,812	1,812	45	1,096	1,827	6,582	35,943	17,356	54,838
Investigations (nonreimbursable):											
Surface management (BLM and other)		4	45		6	3		93	6	2	3
Surface management (Forest Service)	138	68	939	144	368	417	528	212	273	276	10
Uranium-Coal mining claims					4	1		16			
Powerville mining claims (BLM)	1		31	32	41				3	35	
Powerville mining claims (Forest Service and other)	43		45	44	117	10	93		104	68	
Mineral claims and leases					22						
Multiple use conflicts	2	35	16	36		39	22	2		21	
Special laws		584	1		1		2,704	49			
Other compliance		3			1						
Total investigations (nonreimbursable)	184	694	1,061	237	569	470	3,407	372	386	402	13
Investigations (reimbursable)											
	6,871		54	66					217		
Total minerals adjudication	7,085	842	4,204	2,136	663	1,860	5,343	6,982	36,610	17,776	54,877
Grand total	7,494	1,721	5,573	3,602	1,517	3,744	8,789	7,303	37,181	18,430	55,945

TABLE 50.—*New adjudication cases received, 1960—Continued*

Type of case	Area 4				Eastern States Land Office	Outer Continental Shelf Office	Washington Office Branch of Field Services	Total
	Anchorage	Fairbanks	Juneau	Number	Number	Number	Number	Number
Lands adjudication								
Title transfers:								
Homestead.....	786	282	23	4			17	2,625
Desert land.....	11			64				1,629
Public sales.....	396	54	6	12				2,084
Selections.....				11				903
Exchanges.....	456	408	69	67			111	280
Land title cases.....	584	110	19	10			1,765	7
Small tract (unclassified land).....	151	21	75					3,242
Small tract application and drawing (classified land).....	70	86	24	1				8,567
Small tract (auction).....	3	10						575
Small tract (options).....	12	18	16	19				1,464
Recreation and public purposes sales.....								16
Total title transfers.....	2,469	990	232	182			1,900	232
Leases and permits:								16,617
Nonmineral leases.....	8	6						76
Rights-of-way.....	59	302	14	28			11	1,909
Nonmineral permits.....	13	25	8	1				780
Nonmineral material sales.....		80	33	7				124
Recreation and public purposes leases.....	11			1				97
Small tract leases.....	2							26
Total leases and permits.....	93	413	55	37			11	3,012
Investigations:								
Trespass.....	1		3					4
Other case types.....	1		2					199
Total investigations.....	2		5					203
Other tenure actions:								
Withdrawals and reservations.....	14	6	11	7				132
Revocations and restorations.....	27	21	24	7				261
Offers of excess land to GSA.....								24
Total other tenure actions.....	41	27	42	7				417
Total lands adjudication.....	2,605	1,430	334	226			1,911	20,249

Minerals adjudication

Title transfers:

Mineral entries (BLM and other).....	1	12					176
Mineral entries (national forests).....	25		2,038				74
Land disposal conflicts.....			1				2,766
Mineral classification.....	26	12	2,039				85
Total title transfers.....							3,101
Permits and leases:							
Oil and gas noncompetitive (public domain).....	404	762	74	712			113,639
Oil and gas competitive (public domain).....				1,591			3,004
Oil and gas noncompetitive (acquired lands).....							
Oil and gas competitive (acquired lands).....	1,912	1,330	1	621	82		27,739
Oil and gas assignments and transfers.....	363	4,331		4			7,840
Oil and gas overriding royalty assignments.....				1			13
Other permits and leases.....	32	6		5			195
Coal.....							257
Potassium.....							107
Phosphate.....							385
Sodium.....				163			171
Hardrock (reorganization plan No. 3).....		56					194
Mineral material sales (common varieties).....					191		191
Outer Continental Shelf (sec. 6).....							
Total permits and leases.....	2,213	6,485	75	3,097	273		153,735

Investigations (nonreimbursable):

Surface management (BLM and other).....	109						271
Surface management (Forest Service).....	98	73	73				4,033
Uranium-Coal mining claims.....							21
Powellite mining claims (BLM).....							164
Powellite mining claims (Forest Service and other).....							456
Mineral claims and leases.....							91
Multiple use conflicts.....							150
Special laws.....							3,438
Other compliance.....	3						7
Total investigations (nonreimbursable).....	210	73	73				8,631

Investigations (reimbursable)

Investigations (reimbursable).....			1				10,871
Total mineral adjudication.....	2,439	6,570	2,188	3,097	273		176,338
Grand total.....	5,044	8,000	2,522	3,323	273	1,911	196,587

TABLE 51.—Adjudication cases reactivated, 1960

Type of case	Area 1				Area 2				Area 3			
	Spokane	Portland	Sacra-mento	Los Angeles	Boise	Salt Lake City	Reno	Phoenix	Billings	Cheyenne	Denver	Santa Fe
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Lands adjudication												
Title transfers:												
Homestead.....	5	11	1	3	172	25	43	10	28	67	24	25
Desert land.....	1	28	5	188	262	47	145	54	4	88	14	26
Public sales.....	2	3	5				2	3	24	2	24	3
Selections.....		3				1				1		
Exchanges.....		4				1	6	2		1	11	
Land title cases.....		5	3				28	8	1	1	8	
Small tract (unclassified land)												
Small tract application and drawing (classified land).....		3	28	823			1,469	117	8	14	77	139
Small tract (auction).....		40	96			5		1				
Small tract (options).....	1	1	2	1,399	16	69	1,462	996	3	36	2	137
Recreation and public purposes sales.....	1					2	1	2	2	4	4	4
Total title transfers.....	10	100	140	2,413	450	150	3,156	1,193	71	212	166	334
Leases and permits:												
Nominal leases.....						1	2	3	2			
Rights-of-way.....	11	40	79	28	69	30	64	33	29	78	44	560
Nominal permits.....	10	26	12	15	129	25	20	5	14	2	14	26
Nominal material sales.....		1										
Recreation and public purposes leases.....	4	1	1				6	1	1	2	1	
Small tract leases.....		20	6		13				38		3	
Total leases and permits.....	25	88	98	43	211	56	92	44	84	82	62	616
Investigations:												
Trespass.....	1	2										
Other case types.....												
Total investigations.....	1	2										
Other tenure actions:												
Withdrawals and reservations.....		5				2	1	5			2	
Revocations and restorations.....		1	1	20	1		1	1	2	5	9	
Offers of excess land to GSA.....												
Total other tenure actions.....		6	3	20	1	2	2	6	2	5	11	
Total lands adjudication.....	36	196	241	2,476	662	208	3,250	1,243	157	299	239	950

TABLE 51.—*Adjudication cases reactivated, 1960—Continued*

Type of case	Area 4				Eastern States Land Office	Outer Continental Shelf Office	Washing- ton Office Branch of Field Services	Total
	Anchorage	Fairbanks	Juneau	Number				
Lands adjudication								
Title transfers:								
Homestead.....	3,818	151	17	16			7	4,423
Desert land.....								4,862
Public sales.....	162			9				141
Selections.....	168		1	5			36	214
Exchanges.....				1				33
Land title cases.....	1,336	78	37	41			165	1,731
Small tract (unclassified land).....								
Small tract application and drawing (classified land).....	1,431	41	73	2				4,225
Small tract (auction).....	537	45	64					86
Small tract (options).....	69	1	2					4,903
Recreation and public purposes sales.....								95
Total title transfers.....	7,519	316	194	74			215	16,713
Leases and permits:								
Nonmineral leases.....	26	8	2					44
Rights-of-way.....	77	13		9				1,204
Nonmineral permits.....	155	17	20					490
Nonmineral material sales.....		42	33	13				89
Recreation and public purposes leases.....	14							25
Small tract leases.....	13							99
Total leases and permits.....	285	75	68	22				1,951
Investigations:								
Trespass.....				1				1
Other case types.....		1						4
Total investigations.....		1		1				5
Other tenure actions:								
Withdrawals and reservations.....	31	36						82
Revocations and restorations.....	18		24					84
Officers of excess land to GSA.....				1				2
Total other tenure actions.....	49	36	24	1				168
Total lands adjudication.....	7,853	428	286	98			215	18,837

Minerals adjudication

Title transfers:						19
Mineral entries (BLM and other)		1				15
Mineral entries (national forests)						4
Land disposal conflicts						2
Mineral classification						
Total title transfers		1				40
Permits and leases:						
Oil and gas noncompetitive (public domain)						
Oil and gas competitive (public domain)						
Oil and gas noncompetitive (acquired lands)	5,226	258		205		34,557
Oil and gas competitive (acquired lands)				745		1,703
Oil and gas assignments and transfers						
Oil and gas overriding royalty assignments						
Other permits and leases		1		9	217	243
Coal	2			2		267
Potassium	57					807
Phosphate						25
Sodium						528
Hardrock (reorganization plan No. 3)				240		266
Mineral material sales (common varieties)		32	2			54
Outer Continental Shelf (sec. 6)					2	2
Total permits and leases	5,285	291	2	1,201	219	38,512
Investigations (nonreimbursable):						
Surface management (BLM and other)						159
Surface management (Forest Service)	15					489
Power site mining claims (BLM)						802
Power site mining claims (Forest Service and other)						31
Mineral claims and leases						2
Multiple use conflicts						149
Special laws						266
Total investigations (nonreimbursable)	15					1,898
Investigations (reimbursable)						
Total mineral adjudication	5,300	292	2	1,201	219	40,557
Grand total	13,153	720	288	1,299	219	59,424

TABLE 52.—Adjudication cases unclosed on June 30, 1960

Type of case	Area 1				Area 2				Area 3			
	Spokane	Portland	Sacra- mento	Los Angeles	Boise	Salt Lake City	Reno	Phoenix	Billings	Cheyenne	Denver	Santa Fe
Lands adjudication												
	Title transfers:											
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
	8	35	42	173	63	61	155	1,023	356	20	33	58
	4	78	32	1,002	673	86	1,565	43	5	73	19	240
	248	259	801	719	201	157	190	450	150	112	167	380
	264	16	46	107	10	227	8	141	3	2	2	162
	3	138	48	153	67	88	176	59	44	28	23	50
	12	53	58	36	28	2	538	80	9	99	20	141
	21	41	2,330	10,788	98	79	917	1,748	12	137	37	257
	1	9	3	327	4	2	3,473	11	13	10	13	186
	2	17	34	33	23	13	291	23	5	12	2	37
	18	34	35	58	40	28	48	41	9	12	31	42
	Total title transfers.....											
	Leases and permits:											
	Nonmineral leases.....											
	Rights-of-way.....											
	Nonmineral permits.....											
	Nonmineral material sales.....											
	Recreation and public purposes leases.....											
	Small tract leases.....											
	Total leases and permits.....											
	Investigations:											
	Trespass.....											
Other case types.....												
Total investigations.....												
Other tenure actions:												
Withdrawals and reservations.....												
Revocations and restorations.....												
Offers of excess land to GSA.....												
Total other tenure actions.....												
Total lands adjudication.....												

TABLE 52.—Adjudication cases unclosed on June 30, 1960—Continued

Type of case	Area 4			Eastern States Land Office	Outer Continental Shelf Office	Washington Branch of Field Services	Total
	Anchorage	Fairbanks	Juneau				
	Number	Number	Number	Number	Number	Number	Number
Lands adjudication							
Title transfers:							
Homestead.....	950	418	34	9		8	3,446
Desert land.....				68			3,820
Public sales.....	29	9	3	43			3,943
Selections.....	430	77	9	20		41	3,943
Exchanges.....				87		2	1,606
Land title cases.....	625	643	105	4		319	2,899
Small tract (unclassified land).....	646	133	33	2			2,855
Small tract (application and drawing (classified land)).....	184	41	11	1			17,281
Small tract (auction).....	1	55		1			4,290
Small tract (options).....	159	29	22				161
Recreation and public purposes sales.....	62	40	20	35			2,971
Total title transfers.....	3,106	1,445	237	269		370	41,825
Leases and permits:							
Nonmineral leases.....	17	29	1				143
Rights-of-way.....	93	306	16	14		5	1,396
Nonmineral permits.....	31	43	14				416
Nonmineral material sales.....		32	9	5			47
Recreation and public purposes leases.....	13						129
Small tract leases.....	1						153
Total leases and permits.....	155	410	40	19		5	2,295
Investigations:							
Responses.....	1		5				6
Other case types.....	1		1				98
Total investigations.....	2		6				104
Other tenure actions:							
Withdrawals and reservations.....	80	16	17	13			602
Revocations and restorations.....	33	13	31	3			506
Offers of excess land to GSA.....			1				5
Total other tenure actions.....	113	29	49	16			1,113
Total lands adjudication.....	3,376	1,884	332	304		375	45,337

Minerals adjudication

Title transfers:

Mineral entries (BLM and other).....	1	14	1	5	484
Mineral entries (national forests).....	25		6		200
Land disposal conflicts.....			1,978		2,613
Mineral classification.....					52

Total title transfers.....

	26	14	1,985	5	3,399
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Permits and leases:

Oil and gas noncompetitive (public domain).....					
Oil and gas competitive (public domain).....	1,467	386	5	480	27,034
Oil and gas noncompetitive (acquired lands).....					
Oil and gas competitive (acquired lands).....				1,388	2,513
Oil and gas assignments and transfers.....	405	502		40	6,434
Oil and gas overriding royalty assignments.....					
Other permits and leases.....					53
Coal.....	105	11		5	335
Potassium.....					194
Phosphate.....					110
Sodium.....					359
Hardrock (reorganization plan No. 3).....				198	235
Mineral material sales (common varieties).....		40			74
Outer continental Shelf (sec. 6).....				6	8

Total permits and leases.....

	1,977	939	5	2,117	37,349
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Investigations (nonreimbursable):

Surface management (BLM and other).....					752
Surface management (Forest Service).....	67		453		10,166
Uranium-Coal mining claims.....					5
Powertite mining claims (BLM).....					344
Powertite mining claims (Forest Service and other).....					164
Mineral claims and leases.....					140
Multiple use conflicts.....					565
Special laws.....					3,234
Other compliance.....	3				6

Total investigations (nonreimbursable).....

	70		453		15,376
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Investigations (reimbursable)

					3,785
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Total mineral adjudication.....

	2,073	953	2,413	2,122	59,909
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Grand total.....

	5,449	2,837	2,775	2,426	105,246
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TABLE 53.—*Appeals to the Director, 1960*

Type of case	Awaiting action July 1, 1959	Received during 1960	Total	Cases acted on during period ¹		Awaiting action June 30, 1960
				Decisions	Appeals	
Lands cases:						
Homestead.....	167	141	308	77	93	215
Desert land.....	630	882	1,512	178	1,078	434
Public sale.....	80	129	209	100	111	98
Small tract.....	311	1,040	1,351	138	645	706
Exchanges.....	26	54	80	22	30	50
Selections.....	10	75	85	4	33	52
Land contests.....	9	2	11	7	9	2
Other.....	87	277	364	131	256	108
Total land cases.....	1,320	2,600	3,920	657	2,255	1,665
Mineral cases:						
Oil and gas.....	978	824	1,802	522	951	851
Other leasable minerals.....	89	83	172	53	122	50
Mining contests.....	17	70	87	35	45	42
Mining non-contests.....	54	63	117	45	78	39
Total mineral cases.....	1,138	1,040	2,178	655	1,196	982
Grazing cases.....	33	37	70	39	44	26
Grand total.....	2,491	3,677	6,168	1,351	3,495	2,673

¹ One decision rendered may have covered more than one appeal case.

TABLE 54.—*Classification and investigation operations, 1960 (summary, by State)*

Area	State	Cases pending July 1, 1959	New cases received during 1960	Cases closed during 1960	Cases pending June 30, 1960
Land cases					
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1	California.....	14,433	5,484	10,107	9,810
	Oregon.....	242	333	223	352
	Washington.....	84	292	213	127
	Total Area 1.....	14,723	6,109	10,543	10,289
2	Arizona.....	1,737	3,068	2,265	2,540
	Idaho.....	432	994	861	565
	Nevada.....	9,166	2,702	9,716	2,152
	Utah.....	350	537	375	512
	Total Area 2.....	11,685	7,301	13,217	5,769
3	Colorado.....	193	701	669	225
	Montana.....	268	451	383	336
	New Mexico.....	679	1,265	1,476	468
	Wyoming.....	285	437	377	345
	Total Area 3.....	1,425	2,854	2,905	1,374
4	Alaska.....	1,126	3,187	3,292	1,021
	Eastern States Office.....	103	182	160	125
	Total land cases.....	29,062	19,633	30,117	18,578
Mineral cases					
1	California.....	968	482	761	689
	Oregon.....	492	207	230	469
	Washington.....	2,398	7,445	7,340	2,503
	Total Area 1.....	3,858	8,134	8,331	3,661
2	Arizona.....	8,434	3,910	2,594	9,750
	Idaho.....	448	78	328	198
	Nevada.....	250	555	356	449
	Utah.....	6,070	3,235	3,951	5,354
	Total Area 2.....	15,202	7,778	7,229	15,751
3	Colorado.....	157	224	206	175
	Montana.....	117	135	127	125
	New Mexico.....	115	239	226	128
	Wyoming.....	626	190	424	392
	Total Area 3.....	1,015	788	983	820
4	Alaska.....	21	2,733	316	2,438
	Eastern States Office.....	25	269	294	-----
	Total mineral cases.....	20,121	19,702	17,153	22,670
	Grand total.....	49,183	39,335	47,270	41,248

NOTE.—Data do not include grazing or timber cases.

TABLE 55.—*Classification and investigation operations, 1960 (summary by type of case)*

Type of case	Cases pending July 1, 1959	New cases received during 1960	Cases closed during 1960	Cases pending June 30, 1960
Land Cases				
Title transfers:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Homestead.....	265	1,183	970	478
Desert land.....	789	1,486	1,595	680
Public sales.....	1,718	1,659	1,259	2,118
Selections.....	150	571	308	413
Exchanges.....	274	493	509	258
Land title cases.....	464	827	801	490
Small tract (unclassified land).....	13,142	3,916	6,008	11,050
Small tract applications and drawing (classified land).....	62	1,614	619	1,057
Small tract, auction.....	10,600	3,241	13,840	1
Small tract, option.....	260	1,093	1,135	218
Recreation and public purposes sales.....	158	312	172	298
Total title transfers.....	27,882	16,395	27,216	17,061
Leases and permits:				
Nonmineral leases.....	25	67	32	60
Rights-of-way.....	108	1,110	1,138	80
Nonmineral permits.....	84	326	315	95
Nonmineral material sales.....	4	10	14	-----
Recreation and public purposes leases.....	36	88	72	52
Small tract leases.....	12	71	49	34
Total leases and permits.....	269	1,672	1,620	321
Investigations:				
Trespass.....	169	139	149	159
Other case types.....	196	560	400	356
Total investigations.....	365	699	549	515
Other tenure actions:				
Withdrawals and reservations.....	293	427	428	292
Revocations and restorations.....	251	408	278	381
Offers of excess land to General Services Administration.....	2	32	26	8
Total other tenure actions.....	546	867	732	681
Total land cases.....	29,062	19,633	30,117	18,578

TABLE 55.—*Classification and investigation operations, 1960 (summary by type of case)*—Continued

Type of case	Cases pending July 1, 1959	New cases received during 1960	Cases closed during 1960	Cases pending June 30, 1960
Mineral cases				
Title transfers:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Mineral entries (BLM and other).....	165	221	255	131
Mineral entries (national forests).....	2	1	1	1
Land disposition conflicts.....	624	4,042	1,287	3,379
Mineral classification.....	90	225	228	87
Total disposals.....	881	4,488	1,771	3,598
Permits and leases:				
Oil and gas noncompetitive and competitive (public domain).....	38	33	44	27
Other permits and leases.....	2	2	1	3
Coal.....	4	5	4	5
Phosphate.....	1	1	1	1
Mineral material sales (common varieties).....	11	36	37	10
Total leases and permits.....	56	76	87	45
Investigations (nonreimbursable):				
Mineral trespass.....	26	33	15	44
Surface management (BLM and other).....	805	202	449	558
Surface management (Forest Service).....	3	3	3	3
Powersite mining claims (BLM).....	19	3	22	19
Mineral claims and leases.....	463	268	337	394
Multiple use conflicts (nontitle transfer).....	8,538	4,118	2,905	9,751
Special laws.....	10	37	23	24
Other compliance.....	10	37	23	24
Total nonreimbursable investigations.....	9,864	4,661	3,754	10,771
Investigations (reimbursable).....	9,320	10,477	11,541	8,256
Total mineral cases.....	20,121	19,702	17,153	22,670
Grand total.....	49,183	39,335	47,270	41,248

TABLE 56.—*Lands classified and found suitable for disposition under the Taylor Grazing Act, 1960*

Area	State	Homestead		Public sale		Exchange		Desert land		Other		Total	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	California.....	4	560	101	18,981	12	2,852	58	6,561	181	7,382	186	36,336
	Oregon.....	1	40	34	4,318	16	11,773	7	1,080	2	14,964	38	17,113
	Washington.....	1	40	34	15,883	2	6,365	1	130	2	14,964	75	37,382
	Total Area 1.....	5	600	150	39,182	30	20,992	46	7,771	68	22,346	209	90,891
2	Arizona.....	9	1,225	64	16,151	14	45,600	—	—	2	37,241	159	98,992
	Idaho.....	3	1,120	35	4,511	8	2,180	63	13,793	—	—	115	21,709
	Nevada.....	1	1,018	1	1,120	8	2,370	145	40,615	3	77,907	197	122,172
	Utah.....	5	1,018	16	1,921	12	10,066	16	2,200	3	15,205	49	15,205
	Total Area 2.....	15	2,403	118	23,703	42	60,216	224	56,608	121	115,148	520	258,078
3	Colorado.....	2	145	22	3,560	—	—	1	40	—	—	25	3,745
	Kansas.....	—	—	44	10,284	3	2,421	1	320	—	—	48	13,025
	Montana.....	—	—	2	220	—	—	—	—	—	—	2	220
	Nebraska.....	11	1,321	86	35,283	1	80	15	2,787	4	1,192	120	40,063
	New Mexico.....	—	—	6	192	—	—	—	—	—	—	6	192
	North Dakota.....	—	—	8	2,874	1	200	—	—	—	—	9	3,074
	Oklahoma.....	—	—	13	1,023	—	—	—	—	—	—	13	1,023
	South Dakota.....	—	—	53	8,360	7	1,990	28	5,630	5	720	89	16,700
	Wyoming.....	—	—	—	—	—	—	—	—	—	—	—	—
	Total Area 3.....	13	1,466	234	61,796	12	4,691	45	8,777	8	1,912	312	78,642
Eastern States Office:													
	Alabama.....	—	—	2	130	—	—	—	—	—	—	2	130
	Arkansas.....	—	—	3	246	—	—	—	—	—	—	3	246
	Florida.....	—	—	1	40	—	—	—	—	—	—	1	40
	Louisiana.....	—	—	2	45	—	—	—	—	—	—	2	45
	Michigan.....	—	—	1	197	5	4,289	—	—	—	—	6	4,486
	Minnesota.....	—	—	6	5,289	—	—	—	—	—	—	7	5,291
	Mississippi.....	1	2	2	83	—	—	—	—	—	—	2	83
	Wisconsin.....	—	—	—	—	—	—	—	—	6	46	3	46
	Total Eastern States Office.....	1	2	17	6,030	5	4,289	—	—	3	46	26	10,367
	Grand total.....	34	4,471	519	130,711	89	90,188	315	73,156	200	139,452	1,157	437,978

¹ Consists of 17 State indemnity selections, 5,605 acres; 6 soldier's additional scrip, 394 acres; 3 Valentine scrip, 120 acres; 1 forest lieu selection, 80 acres; 1 Girard scrip, 40 acres; 5 Indian allotments, 1,143 acres.

² State indemnity selections.

³ Pittman Act.

⁴ Consists of 4 Indian allotments, 672 acres; 3 State selections, 520 acres.

⁵ Disposal under Federal Airport Act.

⁶ Consists of 1 school selection, 17 acres; 2 forest selections, act of June 26, 1906 (34 Stat. 517), 29 acres.

NOTE.—The Taylor Grazing Act of June 28, 1934 (48 Stat. 1269, 43 U.S.C. 315), authorizes the Secretary of the Interior to classify any land withdrawn or reserved by Executive Orders of November 26, 1934, and February 5, 1935 (43 CFR 297.11 et seq.), or within grazing districts, which are more valuable or suitable for any purpose other than the production of native grasses or forage plants, or which are proper for acquisition in satisfaction of any outstanding lieu, exchange, or scrip rights, or land grant, or which it would be proper to expose for public sale, and to open such lands to entry, selection, or location in accordance with such classification.

TABLE 57.—Lands classified and not found suitable for disposition under the Taylor Grazing Act, 1960

Area	State	Homestead		Public sale		Exchange		Desert land		Other		Total	
		Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres	Number	Acres
1	California.....	48	7,245	131	44,179	117	279,045	462	146,265	446	7,386	804	484,120
	Oregon.....	4	833	18	8,056	4	8,585	1	320	21	17,974	28	17,974
	Washington.....	6	1,040	11	1,466	1	244			36	360	24	3,110
	Total Area 1.....	58	9,178	160	53,701	122	287,874	463	146,585	53	7,866	856	505,204
2	Arizona.....	760	345,419	33	31,900	116	142,576					909	519,895
	Idaho.....	12	3,058	27	7,908	11	4,411	37	7,413			87	22,790
	Nevada.....	18	2,300	44	20,916	3	920	420	103,415	42	3,200	487	130,751
	Utah.....	15	4,241	18	9,411	30	22,059	26	6,692			89	42,403
3	Total Area 2.....	805	355,018	122	70,135	160	169,966	483	117,520	2	3,200	1,572	715,839
	Colorado.....	23	4,509	30	8,120	2	1,840					55	14,469
	Montana.....	4	713	22	5,622	34	25,950	1	160			61	32,445
	New Mexico.....	18	272	32	16,513	7	6,837	87	29,587	51	698	145	53,907
	North Dakota.....			1	13	1	80					2	93
	Oklahoma.....	3	330									3	330
	South Dakota.....	4	800	9	3,160			15	3,100			28	7,060
	Wyoming.....												
	Total Area 3.....	52	6,624	94	33,428	44	34,707	103	32,847	1	698	294	108,304
	Eastern States Office:												
	Michigan.....			2	123							3	150
	Minnesota.....					3	150					2	123
	Total Eastern States Office.....			2	123	3	150					5	273
	Grand total.....	915	370,820	378	157,387	329	492,697	1,049	296,952	56	11,764	2,727	1,329,620

¹ Consists of 16 State indemnity selections, 2,463 acres; 1 soldier's additional scrip, 3 acres; 28 Indian allotments, 3,802 acres; 1 airport lease, 1,118 acres.² V. alertine strip selection.³ State indemnity selections.⁴ Putman Act entries.⁵ Airport lease.

NOTE.—For an explanation of the classification required by the Taylor Grazing Act, see note in table 56.

TABLE 58.—*Lands classified under miscellaneous laws, 1960*

Area	Land office	Small tract act ¹		Recreational and public purpose act ²		Total areas classified during 1960
		Total areas classified as of June 30, 1960	Areas classified during 1960	Classifications during 1960	Areas classified during 1960	
		<i>Acres</i>	<i>Acres</i>	<i>Number</i> ³	<i>Acres</i>	<i>Acres</i>
1	Los Angeles.....	⁴ 296,637	6,465	9	3,266	9,731
	Sacramento.....	6,091	782	13	12,519	13,301
	Portland.....	672	67	3	270	337
	Spokane.....	⁵ 1,872	20	40	1,223	1,243
	Total Area 1.....	305,272	7,334	65	17,278	24,612
2	Boise.....	2,200	189	7	2,803	2,992
	Phoenix.....	40,059	3,440	8	2,096	5,536
	Reno.....	⁶ 102,791	338	4	400	738
	Salt Lake City.....	3,159	113	7	1,991	2,104
	Total Area 2.....	148,209	4,080	26	7,290	11,370
3	Billings.....	638	54	3	213	267
	Cheyenne.....	1,805	80	6	705	785
	Denver.....	⁷ 2,746	732	5	1,681	2,413
	Santa Fe.....	8,116	854	12	371	1,225
	Total Area 3.....	13,305	1,720	26	2,970	4,690
4	Anchorage.....	⁸ 20,558	890	17	1,403	2,293
	Fairbanks.....	⁹ 3,023	333	29	3,731	4,064
	Juneau.....	¹⁰ 3,795	41	5	8	49
	Total Area 4.....	27,376	1,264	51	5,142	6,406
	Eastern States Office.....	2,987	12	4	793	805
Grand total.....		497,149	14,410	172	33,473	47,883

¹ Act of June 1, 1938 (52 Stat. 609, 43 U.S.C. 682a), as amended.² Acts of June 14, 1926 (44 Stat. 741), and June 4, 1954 (68 Stat. 173; 43 U.S.C. 869), as amended.³ Does not include areas classified and found not suitable for disposition for recreation and public purposes as follows: Los Angeles, 2 (800 acres); Sacramento, 6 (2,936 acres); Reno, 2 (200 acres); Salt Lake City, 3 (1,640 acres); Denver, 3 (1,674 acres); Santa Fe, 3 (80 acres).⁴ Does not include 5,935 acres declassified during 1960.⁵ Does not include 7.5 acres declassified during 1960.⁶ Does not include 320 acres declassified during 1960.⁷ Does not include 20 acres declassified during 1960.⁸ Does not include 407 acres declassified during 1960.⁹ Does not include 98 acres declassified during 1960.¹⁰ Does not include 382 acres declassified during 1960.

TABLE 59.—Bureau proceedings requiring formal hearings, 1960

A. SUMMARY BY DISPOSITION AND NUMBER OF CLAIMS OR ENTRIES AFFECTED

Type of proceeding	Unclosed proceedings July 1, 1959		New proceed- ings referred for hearings during 1960		Total pro- ceedings		Proceedings closed by hearings examiners				Proceedings pending June 30, 1960			
							By decision on merits after hearing		On procedural grounds with- out a hearing			Total		
	Num- ber	Claims	Num- ber	Claims	Num- ber	Claims	Num- ber	Claims	Num- ber	Claims		Num- ber	Claims	
Government contests														
Minerals:													Claims	
Application for patent.....	51	133	27	84	78	217	40	115	8	10	48	125	30	92
Adverse proceedings.....	56	161	240	601	296	762	56	136	52	138	108	274	188	488
Act of July 23, 1955 (Public Law 167).....	32	193	64	347	96	540	37	171	21	58	229	38	31	8
Act of Aug. 11, 1955 (Public Law 359).....	5	5	8	8	13	13	5	5	-----	-----	5	5	8	8
Cancellation of oil and gas leases.....	-----	-----	3	471	3	471	-----	-----	-----	31	-----	31	3	440
Total minerals.....	144	492	342	1,511	486	2,003	138	427	81	237	219	604	267	1,339
Lands.....	5	5	15	16	20	21	4	4	1	1	5	5	15	16
Total Government contests.....	149	497	357	1,527	506	2,024	142	431	82	238	224	609	282	1,355
Private contests														
Minerals:														
Act of Aug. 13, 1954 (Public Law 585).....	19	327	8	59	27	386	1	3	4	118	5	121	22	265
Other.....	6	12	2	45	8	57	1	3	4	5	5	8	3	49
Total minerals.....	25	339	10	104	35	443	2	6	8	123	10	129	25	314
Lands.....	8	8	27	27	35	35	12	12	8	8	20	20	15	15
Total private contests.....	33	347	37	131	70	478	14	18	16	131	30	149	40	329
Other lands and minerals														
Hearings ordered under 43 CFR 221.6.....	1	1	1	1	2	2	1	1	-----	-----	1	1	1	1
Miscellaneous.....	-----	-----	3	3	3	3	3	3	-----	-----	3	3	-----	-----
Total other.....	1	1	4	4	5	5	4	4	-----	-----	4	4	1	1
Total lands and minerals proceedings.....	183	845	398	1,662	581	2,507	160	453	98	369	258	822	323	1,085
Grazing proceedings¹														
Appeals.....	112	158	100	187	212	345	37	75	53	79	90	154	122	191
Enforcement proceedings.....	-----	-----	7	7	7	7	4	4	1	1	5	5	2	2
Total grazing proceedings.....	112	158	107	194	219	352	41	79	54	80	95	159	124	193
Grand total.....	295	1,003	505	1,856	800	2,859	201	532	152	449	353	981	447	1,878

¹ Figures appearing in columns headed "claims" reflect the number of permittees and licensees who filed joint or separate appeals.

TABLE 59.—*Bureau proceedings requiring formal hearings, 1960—Continued*

B. HEARINGS HELD DURING 1960

Type of proceeding	Number of proceedings heard	Claims or entries affected
Government contests		
Minerals:		
Application for patent.....	27	77
Adverse proceedings.....	116	318
Act of July 23, 1955 (Public Law 167).....	41	311
Act of Aug. 11, 1955 (Public Law 359).....	6	6
Cancellation of oil and gas leases.....		
Total minerals.....	190	712
Lands.....	8	8
Total Government contests.....	198	720
Private contests		
Lands.....	18	18
Total private contests.....	18	18
Other lands and minerals		
Hearings ordered under 43 CFR 221.6.....		
Miscellaneous.....	3	3
Total other.....	3	3
Total lands and minerals proceedings.....	219	741
Grazing proceedings ¹		
Appeals.....	35	90
Enforcement proceedings.....	6	6
Total grazing proceedings.....	41	96
Grand total.....	260	837

¹ Figures appearing in columns headed "claims" reflect the number of permittees and licensees who filed joint or separate appeals.

PART 5

PUBLIC LAND SURVEYS

In order to effectively manage and provide for the orderly development of the natural resources of the public domain, it is necessary to identify the areas both by graphic representation and by monumentation on the ground. This determination is accomplished by cadastral surveys, an exclusive and major responsibility of the Bureau of Land Management.

These cadastral surveys create and establish on the ground boundaries of subdivisions of the public lands in units suitable for management and for their identification in the records by official field notes and plats.

At its maximum extent, the public domain consisted of approximately 1.8 billion acres. The rectangular system of surveys has now been extended over 1.3 billion acres of this vast area.

At the close of the fiscal year 1960, 474,989,632 acres remained unsurveyed in the 12 western public land States of which more than 76 percent is in Alaska. (See Table 60.) The remaining unsurveyed land lies exclusively in 11 western States, the largest unsurveyed area being in Arizona where approximately 32 percent of the area of the State is unsurveyed. This unsurveyed area in Arizona represents approximately 20 percent of the total unsurveyed area in the 11 western States.

About 55 percent of the area of these public land States, other than Alaska, is owned by the Federal Government. Many of the surveys of these Government lands were made nearly a century ago and marked by wooden stakes or other nonpermanent materials which have since been obliterated by the elements or by man-made developments. There is now an urgent need for the resurvey of some 53 million acres in this area in order to redefine the boundaries of the lands subject to administration by the Federal Government.

During fiscal year 1960, a total of 1,405,488 acres of survey were officially accepted. Approximately 69 percent of this area was represented by resurveys (Table 61). In addition, 1,739,263 acres of surveys were completed during the fiscal year (Table 62). Numerous other surveys not measurable on an area basis were also completed in the field during the same period (Table 63).

The Bureau of Land Management in the past fiscal year spent \$3,026,884 in the execution of cadastral surveys. Approximately

92 percent of this amount came from funds appropriated to the Bureau by Congress. The Bureau was reimbursed \$182,850 for costs incurred in the execution of cadastral survey work for other Federal agencies. Private contributions for carrying on the cadastral survey program amounted to \$60,756 (Table 113).

DEFINITIONS OF TERMS

Cadastral survey:

A survey relating to land boundaries and subdivisions, made to create units suitable for management or to define the limits of title. The distinguishing features of the cadastral surveys are the establishment of monuments on the ground to define the boundaries of the lands, and their identification in the records by field notes and plats.

Meander line:

A traverse of the margin of a permanent natural body of water, defining the sinuosities of the bank or shoreline, in connection with a cadastral survey.

Original survey:

A cadastral survey which creates land boundaries and establishes them for the first time.

Protraction diagram:

A diagram representing the plan of extension of the cadastral surveys over unsurveyed public lands, based upon computed values for the corner positions.

Resurvey:

A cadastral survey to identify and re-mark the boundaries of lands which were established by a prior survey.

Special survey:

A cadastral survey other than an original survey or resurvey. This category includes such work as small tract surveys; townsite surveys; island and omitted land surveys; homestead, homesite, trade and manufacturing site surveys; also the survey and resurvey of section lines and connecting lines not involving a closed traverse.

TABLE 60.—*Surveyed and unsurveyed lands in the public land States, 1960*

Area	State	Surveyed	Unsurveyed
		<i>Acres</i>	<i>Acres</i>
1	California.....	84,156,025	16,157,575
	Oregon.....	56,770,825	4,870,775
	Washington.....	36,854,882	5,888,158
	Total Area 1.....	177,781,732	26,916,508
2	Arizona.....	49,242,074	23,445,926
	Idaho.....	43,843,638	9,128,522
	Nevada.....	50,417,891	19,847,069
	Utah.....	43,276,297	9,425,143
	Total Area 2.....	186,779,900	61,846,660
3	Colorado.....	64,789,513	1,720,567
	Kansas.....	52,549,120	-----
	Montana.....	84,005,812	9,356,108
	Nebraska.....	49,064,320	-----
	New Mexico.....	67,882,324	9,884,716
	North Dakota.....	44,836,480	-----
	Oklahoma.....	44,179,840	-----
	South Dakota.....	48,983,040	-----
	Wyoming.....	59,856,322	2,547,518
	Total Area 3.....	516,146,771	23,508,909
	Alaska.....	2,764,045	362,717,555
	Eastern States Office:		
	Alabama.....	32,689,920	-----
	Arkansas.....	33,712,000	-----
	Florida.....	34,727,680	-----
	Illinois.....	35,798,400	-----
	Indiana.....	23,171,200	-----
	Iowa.....	35,868,800	-----
	Louisiana.....	28,903,680	-----
	Michigan.....	36,494,080	-----
	Minnesota.....	51,205,760	-----
	Mississippi.....	30,238,720	-----
	Missouri.....	44,304,640	-----
	Ohio.....	26,240,000	-----
	Wisconsin.....	35,011,200	-----
	Total Eastern States Office.....	448,366,080	-----
	Grand total.....	1,331,838,528	474,989,632

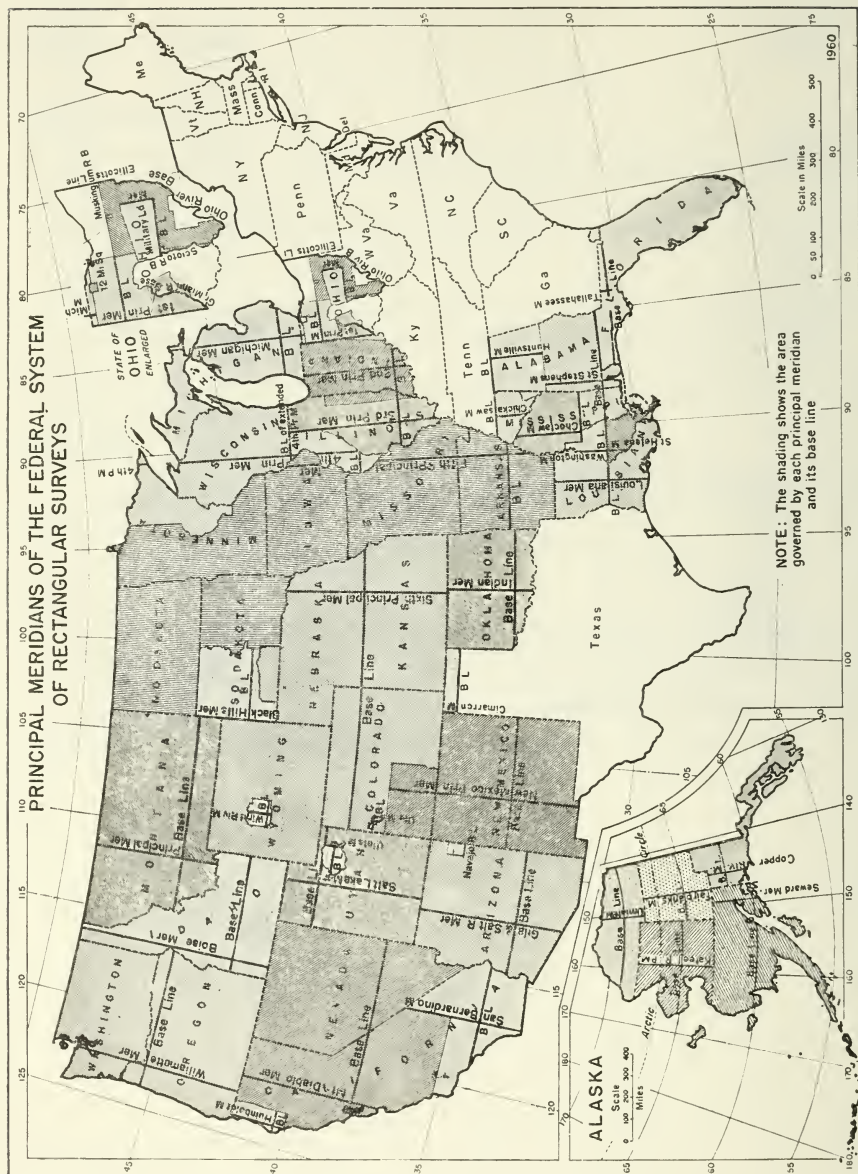


TABLE 61.—*Land surveys accepted, 1960*

Area	State	Original surveys	Resurveys	Total surveyed areas accepted
		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	California.....	45,175	149,520	194,695
	Oregon.....	9	63,198	63,207
	Washington.....	5,248	723	5,971
	Total Area 1.....	50,432	213,441	263,873
2	Arizona.....	136,642	78,797	215,439
	Idaho.....	1,789	35,865	37,654
	Nevada.....	45,304	79,089	124,393
	Utah.....	110,546	2,560	113,106
	Total Area 2.....	294,281	196,311	490,592
3	Colorado.....	30,025	33,117	63,142
	Kansas.....	¹ 67	-----	67
	Montana.....	5,686	1,008	6,694
	Nebraska.....	-----	157,252	157,252
	New Mexico.....	640	105,414	106,054
	North Dakota.....	-----	150,876	150,876
	South Dakota.....	-----	24,501	24,501
	Wyoming.....	614	83,158	83,772
	Total Area 3.....	37,032	555,326	592,358
4	Alaska.....	55,249	-----	55,249
	Eastern States Office:			
	Alabama.....	¹ 154	-----	154
	Florida.....	¹ 383	792	1,175
	Louisiana.....	¹ 1,201	-----	1,201
	Michigan.....	¹ 36	119	155
	Minnesota.....	¹ 13	-----	13
	Mississippi.....	-----	152	152
	Wisconsin.....	¹ 115	451	566
	Total Eastern States Office.....	1,902	1,514	3,416
	Grand total.....	438,896	966,592	1,405,488

¹ Does not affect total surveyed area of the State (Table 60) because included in area of surrounding lands when they were previously surveyed and accepted.

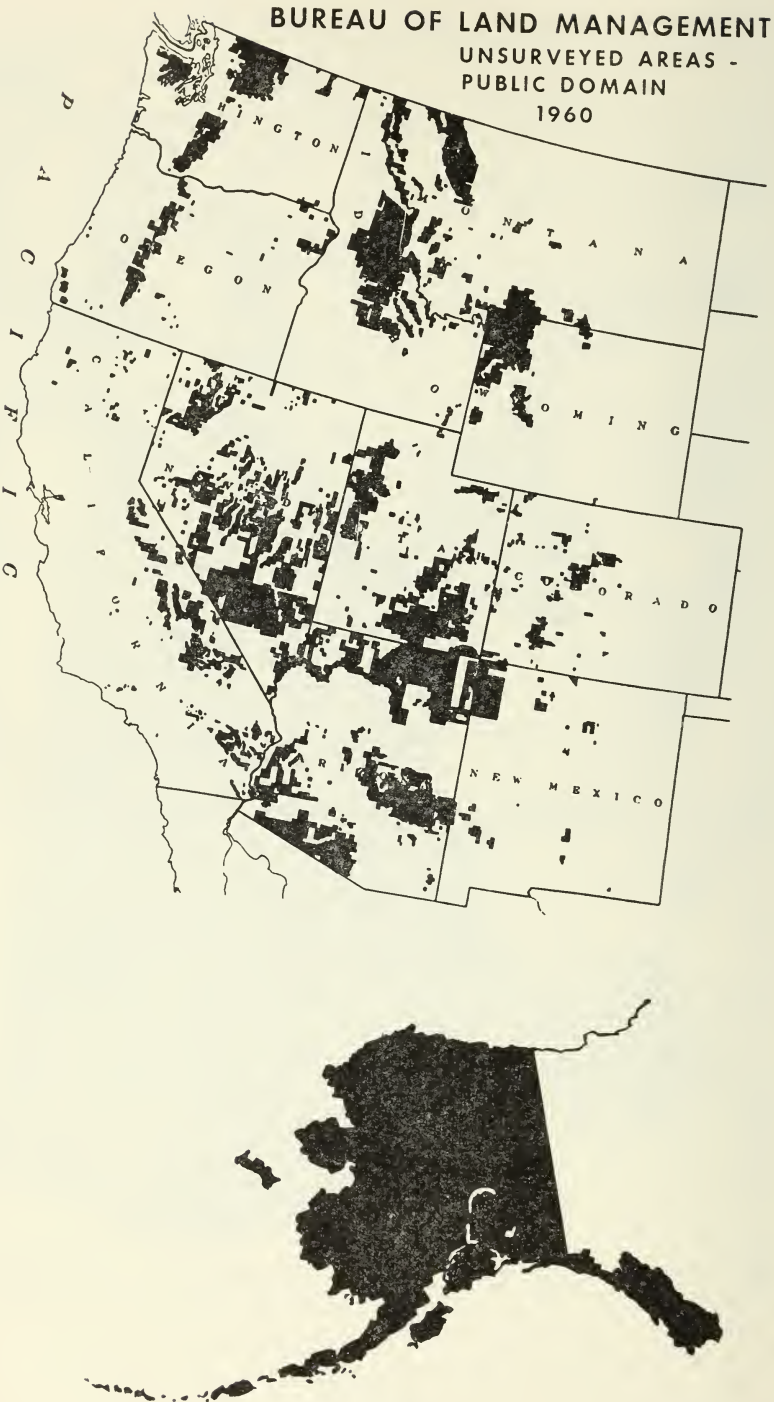


FIGURE 9

TABLE 62.—*Field surveys measurable on a quantity basis completed, 1960*

Area	State and agency	Surveys	Resurveys	Total
BUREAU OF LAND MANAGEMENT				
Range and timber management program				
		<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	California.....		26, 800	26, 800
	Oregon-public domain lands.....		65, 020	65, 020
	Oregon-O&C lands.....		19, 620	19, 620
	Total Area 1.....		111, 530	111, 530
2	Arizona.....	96, 000	26, 600	122, 600
	Idaho.....		56, 840	56, 840
	Total Area 2.....	96, 000	83, 440	179, 440
3	New Mexico.....		46, 080	46, 080
	Wyoming.....		112, 640	112, 640
	Total Area 3.....		158, 720	158, 720
	Total range and timber management.....	96, 000	353, 690	449, 690
Lands and minerals programs				
1	California.....	640	39, 160	39, 800
2	Arizona.....	15, 360		15, 360
	Idaho.....		5, 040	5, 040
	Nevada.....	67, 840	151, 040	218, 880
	Utah.....	3, 200		3, 200
	Total Area 2.....	86, 400	156, 080	242, 480
3	Colorado.....	35, 840	34, 560	70, 400
	Montana.....	2, 560		2, 560
	New Mexico.....		48, 400	48, 400
	Total Area 3.....	38, 400	82, 960	121, 360
4	Alaska.....	¹ 432, 050		432, 050
	Total lands and minerals programs.....	557, 490	278, 200	835, 690
Other Bureau of Land Management programs				
2	Utah.....	170, 240	3, 200	173, 440
	Total Bureau of Land Management.....	823, 730	635, 090	1, 458, 820
BUREAU OF RECLAMATION				
1	California.....	1, 000	5, 440	6, 440
	Total Area 1.....	1, 000	5, 440	6, 440
2	Arizona.....		7, 860	7, 860
	Total Area 2.....		7, 860	7, 860
3	Nebraska.....		72, 960	72, 960
	North Dakota.....		142, 080	142, 080
	Total Area 3.....		215, 040	215, 040
	Total Bureau of Reclamation.....	1, 000	228, 340	229, 340

¹ Includes 122,437 acres of special surveys as listed in Table 63.

TABLE 62.—*Field surveys measurable on a quantity basis completed, 1960—Con.*

Area	State and agency	Surveys	Resurveys	Total
	FOREST SERVICE	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1	California.....		5, 440	5, 440
	Oregon.....		21, 520	21, 520
	Total Area 1.....		26, 960	26, 960
2	Arizona.....	8, 320		8, 320
	Idaho.....	640		640
	Total Area 2.....	8, 960		8, 960
3	Montana.....		6, 400	6, 400
	Total Area 3.....		6, 400	6, 400
	Total Forest Service.....	8, 960	33, 360	42, 320
	BUREAU OF INDIAN AFFAIRS			
1	Oregon.....		2, 703	2, 703
	Total Area 1.....		2, 703	2, 703
3	New Mexico.....		640	640
	Total Area 3.....		640	640
	Total Bureau of Indian Affairs.....		3, 343	3, 343
	NATIONAL PARK SERVICE			
1	California.....		5, 440	5, 440
	Total National Park Service.....		5, 440	5, 440
	Grand total.....	833, 690	905, 573	1, 739, 263

TABLE 63.—*Field surveys not measurable on a quantity basis completed, 1960.*

Area	State and agency	Purpose
	BUREAU OF LAND MANAGEMENT	
1	California.....	Subdivision of 3 sections for settlement of timber trespass and location of small tracts. Special survey of a small tract on Angel Island. Special survey of a small tract on Point Loma.
	Oregon.....	Remonumentation of 30 corners to prevent obliteration. Subdivision of 12 sections for timber sales and settlement of timber trespass.
2	Arizona.....	58 miles retracement and resurvey to correct survey previously made. Equivalent to survey of 18,444 acres. 12 man-months in office preparing protraction diagrams.
	Idaho.....	10 miles survey and resurvey in connection with small tracts. Equivalent to survey of 3,200 acres. 166 miles survey, retracement omitted lands along the Snake River in the vicinity of Idaho Falls. Meanders obtained by photogrammetric methods. Equivalent to survey of 53,000 acres.
	Nevada.....	42 man-months in field and 12 man-months in office obtaining control and preparing protraction diagrams. Field work consisted of searching for corners and making ties with Tellurometer. Equivalent to survey of 118,300 acres.
	Utah.....	4 miles retracement to correct survey previously made. Equivalent to survey of 1,272 acres. 761 miles original surveys of section and township boundaries, not reportable on a quantity basis, in connection with state school land surveys. Equivalent to survey of 242,000 acres. School section surveys involved 1,209,840 acres.
3	Colorado.....	7 man-months in office and field on remonumentation and rehabilitation of cadastral survey corners in cooperation with Forest Service. Preliminary field investigation of original surveys prior to dependent resurvey, of 24,000 acres. Special surveys of 31,800 acres for disposition as small tracts. Office work in processing and accepting 23 mineral surveys—4 man-months.
	Montana.....	15 man-months in office and field on remonumentation and rehabilitation of cadastral survey corners in cooperation with Forest Service. 27 man-months in research and drafting of 34 sheets of Survey projections. Office work in processing and accepting 6 mineral surveys—3 man-months.
3	Nebraska.....	Special surveys of 6,994 equivalent acres Red Willow Reservoir.
	New Mexico.....	Special surveys of 52,193 acres for disposition as small tracts. Office work in processing and accepting 4 mineral surveys—2 man-months.
	North Dakota.....	10 man-months in field on remonumentation and rehabilitation of cadastral survey corners, Bureau of Reclamation Projects.
	Wyoming.....	4 man-months in office and field on remonumentation and rehabilitation of cadastral survey corners in cooperation with Forest Service. Special surveys of 15,900 equivalent acres for disposition as small tracts. Office work in processing and accepting 7 mineral surveys—6 man-months.
4	Alaska.....	35 homesteads; 197 small tracts; 49 homesites; 14 airports; 5 townsites (510 lots); 37 miscellaneous isolated tracts; 1,113 miles Tellurometer ties equivalent to a total of 122,437 acres; protraction diagrams for Alaska, 284,565,000 acres.
	Eastern States Office:	
	Florida.....	Survey of 8 islands; equivalent to survey of 2,560 acres. Resurvey and subdivision of 1 section, 6½ miles; equivalent to survey of 2,075 acres. Resurvey and extension survey of omitted lands, 24 miles; equivalent to survey of 7,656 acres.
	Michigan.....	Resurvey and segregation of Whitefish Point Lighthouse Reservation, 6½ miles; equivalent to survey of 2,073 acres.
	Minnesota.....	Survey of 6 islands; equivalent to survey of 1,920 acres.
	Mississippi.....	Resurvey of 1 section, 3 miles; equivalent to survey of 957 acres.
	Wisconsin.....	Resurvey and extension survey of omitted land, 19 miles; equivalent to survey of 6,060 acres (2 cases).
	BUREAU OF RECLAMATION	
1	California.....	Subdivision of 8 sections of Colorado River Valley lands to delineate public ownership.
2	Arizona.....	58 miles survey and resurvey in connection with resurveys in trespass area of lower Colorado River. Lands under reclamation withdrawal. Equivalent to survey of 18,444 acres.
	FOREST SERVICE	
2	Arizona.....	92 corners remonumented in field in cooperation with Forest Service. Equivalent to survey of 21,620 acres.
	Idaho.....	4 miles subdivision of sections and control work.

PART 6

FORESTRY

The forest lands administered by the Bureau of Land Management fall into two categories: first, the revested Oregon and California Railroad grant lands and reconveyed Coos Bay Wagon lands in western Oregon, which together are referred to as the O&C lands; and, second, the public domain forest lands.

The management, development, and protection of the more than 160 million acres of public forest and woodland under BLM's jurisdiction occupy a prominent place in the Department's integrated resources management program.

Less than one-third of the area and more than one-half the standing volume and producing capacity of the Bureau's Alaska forests are in stands considered commercially operable at the present time or potentially capable of supporting commercial operations (Table 64).

Over 2,145,000 acres of commercial forest land are in the 18 O&C counties in western Oregon (Table 65). These lands are generally recognized to be one of the Nation's most productive and highly valuable commercial forest properties. Managed on a sustained yield basis, over 1 billion board feet of green and salvage timber valued at more than \$34.3 million was sold on these lands during 1960 (Table 70). Both of these figures—volume and value—represent new all-time records.

Continued emphasis was placed on the reforestation of the O&C lands in Oregon; additional reforestation was accomplished on public domain lands in California and Colorado. A total of 21,693 acres of reforestation was accomplished in these three States at a cost of \$233,041 (Table 83).

Site improvement practices of scarification, herbicidal treatment, and snag felling were applied to 4,103 acres at a cost of \$53,026; baiting to preclude damage by various forest rodents was accomplished on 4,603 acres at a cost of \$3,013 (Table 84).

DEFINITIONS OF TERMS

Allowable cut:

The volume of timber that may be harvested annually from a well-managed and regulated forest property.

Access roads:

Mainline roads constructed primarily to facilitate the removal of timber from forested areas, and financed by appropriated funds.

Commercial forest land:

Lands growing stands of forest trees which possess present or potential merchantable value.

Cord:

A standard unit of measurement of round or split wood filling a stack 4 x 4 x 8 feet and occupying approximately 128 cubic feet, commonly used in measuring fuel or pulpwood.

Forest cover:

All trees and other woody plants in the forest.

Master unit:

A sustained yield operating area for which an allowable cut has been computed.

MBM or MBF or M bd. ft.:

Thousand board feet. The board foot is a unit of lumber measurement one foot long, one foot wide and one inch thick, or its equivalent. It is the standard unit of measurement in the logging and lumber industry by which standing timber is measured and sold, and manufactured lumber is merchandised.

Producing capacity:

The amount of wood fiber which forest land is capable of growing.

Right-of-way:

A permit or an easement which authorizes the use of lands for certain specified purposes, as the construction of forest access roads.

Sawtimber:

Trees that will yield logs suitable in size and quality for the production of lumber.

Set aside sales:

A timbered area designated for sale on which bidding is limited to small business concerns as defined by the Small Business Administration in its regulations under the authority of section 15 of the Small Business Act of July 18, 1958.

Sustained yield:

Management of the forest to assure continuous production with the aim of achieving, at the earliest possible time, an approximate balance between growth and harvest, either by annual or somewhat longer periods.

Woodland:

Forest lands usually supporting open-grown, widely scattered trees of marginal merchantability, and generally more valuable for watershed or wildlife protection purposes than for the production of timber for commercial purposes.

TABLE 64.—Estimated area and producing capacity of public domain forest and woodlands administered by the Bureau of Land Management,
June 30, 1960

Area	State	Commercial forest land			Woodland			Total		
		Acres	Standing volume	Annual producing capacity	Acres	Standing volume	Annual producing capacity	Acres	Standing volume	Annual producing capacity
1	California.....	275,000	M bd. ft. 6,690,940	M bd. ft. 63,000	1,550,000	M bd. ft. 3,100,000	M bd. ft. 31,000	1,825,000	M bd. ft. 9,720,940	M bd. ft. 94,000
	Oregon.....	386,097	3,579,220	89,080	897,391	966,705	4,200	1,283,488	6,544,925	93,280
	Washington.....	194,000	1,075,000	9,953	-----	-----	-----	194,000	1,075,000	9,983
	Total Area 1.....	855,097	13,275,160	162,063	2,447,391	4,065,705	35,200	3,302,488	17,340,865	197,263
2	Arizona.....	4,200	13,000	100	1,328,500	278,000	5,600	1,332,700	291,000	5,700
	Idaho.....	381,000	3,645,000	44,500	1,070,000	1,979,000	13,000	1,451,000	5,624,000	57,500
	Nevada.....	100,000	500,000	5,000	10,000,000	10,000,000	100,000	10,100,000	10,500,000	105,000
	Utah.....	633,000	1,900,000	6,000	8,755,000	14,600,000	40,600	9,388,000	16,500,000	46,600
3	Total Area 2.....	1,118,200	6,038,000	55,600	21,153,500	26,857,000	159,200	22,271,700	32,915,000	214,800
	Colorado.....	656,682	2,807,000	16,800	2,600,000	780,000	6,400	3,256,682	3,587,000	23,200
	Montana.....	604,500	1,101,000	18,310	213,000	643,000	3,200	817,500	1,744,000	21,510
	New Mexico.....	91,495	1,203,000	6,800	1,798,188	1,195,000	23,000	1,889,683	1,398,000	29,800
4	Oklahoma.....	300	600	(1)	3,000	8,000	100	3,300	8,600	100
	South Dakota.....	6,000	6,000	100	10,000	15,000	(1)	16,000	21,000	100
	Wyoming.....	449,880	924,362	10,454	593,750	1,559,989	7,725	1,043,630	2,484,351	18,179
	Total Area 3.....	1,808,857	5,041,962	52,464	5,217,938	4,200,989	40,425	7,026,795	9,242,951	92,889
4	Alaska.....	40,000,000	180,000,000	1,500,000	85,000,000	170,000,000	800,000	125,000,000	350,000,000	2,300,000
	Eastern States Office:									
	Alabama.....	3,043	3,043	228	-----	-----	-----	3,043	3,043	228
	Arkansas.....	3,058	1,519	91	-----	-----	-----	3,058	1,519	91
4	Florida.....	1,394	6,970	61	-----	-----	-----	1,394	6,970	61
	Louisiana.....	8,000	4,000	480	-----	-----	-----	8,000	4,000	480
	Michigan.....	5,140	2,570	205	-----	-----	-----	5,140	2,570	205
	Minnesota.....	57,688	230,732	2,307	-----	-----	-----	57,688	230,732	2,307
4	Mississippi.....	4,467	2,234	268	-----	-----	-----	4,467	2,234	268
	Missouri.....	1,533	613	61	-----	-----	-----	1,533	613	61
	Wisconsin.....	84,323	251,701	3,703	-----	-----	-----	84,323	251,701	3,703
	Total Eastern States Office.....	43,866,477	204,636,823	1,773,830	113,818,829	205,123,694	1,034,825	157,685,806	409,750,517	2,808,655
	Grand total.....									

1 Less than 100,000 board feet.

TABLE 65.—Area, cover, allowable cut, and average annual sales on O&C lands, 1960

Administrative districts and master units	Forest cover		Total area ² Acres	Total merchantable volume ³ MM bd. ft.	Current allowable cut ⁴ MM bd. ft.	Current nondepletable cut ⁵ MM bd. ft.	Current available cut ⁶ MM bd. ft.	Total sales current fiscal year ⁷ MM bd. ft.	Comparison sales to available cut
	Douglas fir	Ponderosa pine							
Coos Bay: South Coast.....	Acres 266,949	Acres 17,006	283,955	9,397.6	160.1	12.8	172.9	175.4	Percent 101
Eugene:									
Upper Willamette.....	148,284	3,864	152,148	3,903.3	74.9	15.2	90.1	89.1	99
Sluslaw.....	150,645	4,034	154,679	4,472.5	79.1	13.5	98.6	101.7	103
District total.....	298,929	7,898	306,827	8,375.8	154.0	34.7	188.7	190.8	101
Medford:									
Jackson.....	164,316	48,863	350,795	3,457.1	78.0	1.2	79.2	78.1	99
Josephine.....	162,033	12,628	378,904	6,923.6	120.0	4.5	124.5	128.9	104
Klamath.....	10,717	16,359	80,911	1,118.4	23.0	0.9	23.9	28.5	119
District total.....	337,066	77,850	810,610	11,499.1	221.0	6.6	227.6	235.5	103
Roseburg:									
Douglas.....	285,053	10,095	295,148	7,982.6	123.9	18.1	142.0	131.5	93
South Umpqua.....	100,154	4,551	104,705	2,270.1	32.5	4.5	37.0	48.8	132
District total.....	385,207	14,646	399,853	10,252.7	156.4	22.6	179.0	180.3	101
Salem:									
Alsea-Rickreall.....	102,104	433	102,537	3,302.8	60.0	11.3	71.3	77.3	108
Clackamas-Molalla.....	50,097	1,298	51,395	1,202.6	24.0	1.8	25.8	23.4	91
Columbia.....	98,410	330	98,740	1,736.0	47.5	9.7	57.2	63.2	110
Santiam.....	90,582	573	91,155	3,268.3	51.2	11.6	62.8	62.7	100
District total.....	341,193	2,634	343,827	9,534.7	182.7	34.4	217.1	226.6	104
Grand total.....	1,629,344	437,878	2,145,072	49,059.9	874.2	111.1	985.3	1,008.6	102

¹ Includes white fir timber areas, hardwood timber areas, non-commercial forest areas, grazing, agricultural and other nonforest areas.

² Includes the reverted O&C lands under the administrative jurisdiction of this Bureau and the recovered Coos Bay Wagon Road lands. The acreage is for O&C lands except as footnoted in 8 and 9.

³ Includes all timber greater than 11 inches dbh. Does not consider growth since completion of the inventory.

⁴ Allowable cut is that which is permissible during the period of time required to

achieve a balance of age classes in the forest stand. These data are subject to change as better inventories are obtained.

⁵ Nondepletable timber is that timber which was not included in the inventory and usually consists of salvageable logging debris, sanitation thinnings, etc.

⁶ Sum of preceding 2 columns.

⁷ Includes trespasses and free uses, the volume of which is chargeable against the annual allowable cut.

⁸ O&C lands 231,873 acres; CBWR lands 60,082 acres.

⁹ O&C lands 281,146 acres; CBWR lands 14,002 acres.

TABLE 66.—Summary of forest dispositions by State and type of product, 1960

Area	State	Sawtimber	Cords	Posts	Poles	Other	Total volume	Value of timber products	Value of non-timber forest products	Total value all forest products
1	O&C and CBWR lands									
1	Oregon	<i>M bd. ft.</i> 1,005,498.00	<i>Number</i> 555.50	<i>Number</i> 6,875	<i>Number</i> 600	<i>M bd. ft.</i> -----	<i>M bd. ft.</i> 1,005,901.00	\$34,387,074.73	\$770.00	\$34,387,844.73
1	Public Domain Lands									
	California	31,187.30	881.50	215			31,492.80	738,027.74	4,902.10	742,929.84
	Oregon	67,547.00	627.00	5,711			67,887.90	1,523,588.11	288.75	1,523,876.86
	Washington	10,168.00	82.00	2,450			10,220.00	181,970.26	-----	181,970.26
	Total Area 1	1,114,400.30	2,146.00	15,251			1,115,501.70	36,830,660.84	5,960.85	36,836,621.69
2	Arizona	-----	47.00	8,799			92.60	1,204.80	150.00	1,354.80
	Idaho	30,526.55	453.00	8,350		7.50	30,897.08	405,786.12	2,160.50	407,946.62
	Nevada	-----	182.50	52,010	21,522	8.00	455.30	7,084.00	13,914.00	21,998.00
	Utah	1,682.20	144.00	42,683		5.00	2,061.50	22,503.98	2,847.03	25,351.01
	Total Area 2	32,208.75	826.50	111,842	21,522	20.50	33,506.84	437,478.90	19,071.53	456,550.43
3	Colorado	10,371.20	1,288.00	32,873			13,314.00	132,456.93	2,513.75	134,970.68
	Montana	16,125.00	11,238.00	14,330	2,177	65.20	17,378.00	169,658.96	1,636.25	171,295.21
	New Mexico	221.00	752.00	28,869	43,707	1.00	742.00	7,133.60	176.00	7,309.60
	South Dakota	125.00	-----	1,000	13,889	-----	257.00	1,100.00	-----	1,100.00
	Wyoming	6,224.20	50.00	4,537	5,651	6.20	6,347.90	53,008.19	12.50	53,080.69
	Total Area 3	33,066.40	3,328.00	81,609	65,424	72.80	38,088.90	363,417.68	4,338.50	367,756.18
4	Alaska	12,536.70	3,090.5	100			14,912.60	58,686.94	565.95	59,252.89
	Eastern States Office: Minnesota	3.00	1,236.8	-----			621.40	5,369.60	-----	5,372.60
	Total Eastern	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total public domain	186,717.15	10,072.30	201,927	87,046	923.10	196,680.44	3,308,539.23	56,911.35	3,365,450.58
	Grand total	1,192,215.15	10,627.80	208,802	87,646	923.10	1,202,581.44	37,095,613.96	57,681.35	37,153,295.31

NOTE: This table is a summary of all forest product disposition actions taken by the Bureau of Land Management on its lands during the fiscal year by competitive and negotiated sale, free use, rights-of-way sales, and additional sales. Data do not include products removed from BLM lands in trespass actions. Products listed, as disposed of, however, were not necessarily all removed from BLM lands or paid for during the fiscal year.

TABLE 67.—*Summary of timber dispositions by species, 1960*

Species	Timber volume			Value
	Sawtimber	Other	Total	
Green timber	<i>M bd. ft.</i>	<i>M bd. ft.</i>	<i>M bd. ft.</i>	
Alder.....	550.00	—	550.00	\$4, 503. 20
Aspen.....	69.00	103.00	172.00	412. 00
Birch, white.....	—	139.30	139.30	342. 20
Cedar, Alaska yellow.....	16.00	—	16.00	67. 20
Cedar, incense.....	14, 331.00	—	14, 331.00	139, 276. 75
Cedar, port orford white.....	3, 537.00	31.00	3, 568.00	91, 845. 20
Cedar, western red.....	17, 917.88	2.00	17, 919.88	161, 915. 13
Cottonwood.....	195.00	66.70	261.70	882. 30
Douglas fir.....	833, 540.59	392.00	833, 932.59	30, 133, 411. 61
Fir, alpine.....	114.70	—	114.70	574. 45
Fir, balsam.....	—	3.00	3.00	15. 00
Fir, grand.....	2, 981.01	—	2, 981.01	27, 611. 34
Fir, noble.....	10, 830.00	—	10, 830.00	288, 736. 55
Fir, shasta.....	54.00	—	54.00	753. 30
Fir, silver.....	2, 913.00	—	2, 913.00	30, 094. 75
Fir, white.....	32, 761.50	—	32, 761.50	484, 655. 90
Hemlock, mountain.....	157.60	—	157.60	530. 87
Hemlock, western.....	72, 009.77	45.00	72, 054.77	673, 521. 17
Juniper.....	—	1, 920.20	1, 920.20	30, 062. 70
Larch, western.....	4, 186.21	.50	4, 186.71	38, 600. 59
Maple.....	313.00	—	313.00	1, 283. 90
Pine, jack.....	3.00	—	3.00	18. 00
Pine, jeffrey.....	2, 756.00	—	2, 756.00	50, 638. 55
Pine, limber.....	3.00	—	3.00	22. 50
Pine, lodgepole.....	5, 716.10	2, 809.00	8, 525.10	50, 854. 43
Pine, piñon.....	—	212.70	212.70	439. 05
Pine, ponderosa.....	41, 979.32	49.00	42, 028.32	1, 223, 441. 73
Pine, sugar.....	20, 490.00	—	20, 490.00	708, 527. 15
Pine, western white.....	4, 398.01	—	4, 398.01	116, 427. 62
Spruce, black.....	—	524.40	524.40	5, 150. 60
Spruce, brewers.....	64.00	—	64.00	688. 00
Spruce, engelmann.....	8, 929.96	—	8, 929.96	98, 008. 91
Spruce, sitka.....	8, 925.30	108.40	9, 033.70	47, 367. 41
Spruce, white.....	1, 569.80	989.20	2, 559.00	14, 248. 81
Tamarack.....	—	2.00	2.00	8. 00
Yew, pacific.....	—	3.00	3.00	40. 00
Miscellaneous hardwoods.....	136.00	19.00	155.00	1, 164. 00
Total green timber.....	1, 091, 447.75	7, 419.40	1, 098, 867.15	34, 426, 140.87
Salvage timber				
Cedar, incense.....	776.00	—	776.00	6, 018. 00
Cedar, port orford white.....	71.00	—	71.00	1, 087. 75
Cedar, western red.....	3, 717.00	6.00	3, 723.00	31, 518. 45
Douglas fir.....	82, 848.40	66.00	82, 914.40	3, 080, 607. 15
Fir, grand.....	115.00	—	115.00	1, 455. 90
Fir, noble.....	327.00	—	327.00	4, 414. 50
Fir, silver.....	72.00	—	72.00	489. 60
Fir, white.....	494.00	—	494.00	4, 364. 35
Hemlock, western.....	7, 826.00	—	7, 826.00	78, 909. 69
Juniper.....	—	1.70	1.70	25. 00
Maple.....	62.00	—	62.00	255. 40
Larch, western.....	—	229.63	229.63	229. 50
Pine, ponderosa.....	4, 066.00	250.80	4, 316.80	50, 006. 45
Pine, sugar.....	349.00	—	349.00	6, 323. 90
Pine, lodgepole.....	—	77.20	77.20	297. 45
Pine, piñon.....	—	1, 100.70	1, 100.70	1, 873. 00
Redwood.....	12.00	—	12.00	156. 00
Spruce, engelmann.....	32.00	3.90	35.90	177. 20
Spruce, white.....	—	1, 053.30	1, 053.30	842. 60
Miscellaneous hardwoods.....	—	157.30	157.30	421. 20
Total salvage timber.....	100, 767.40	2, 946.53	103, 713.93	3, 269, 473.09
Grand total.....	1, 192, 215.15	10, 365.93	1, 202, 581.08	37, 695, 613.96

NOTE.—Data in this table include all O&C and public domain timber dispositions made either by competitive or negotiated sales, rights-of-way sales, additional sales, and free use. This is a record of disposition actions only, not timber actually cut. Timber trespass, and nontimber forest products sold during the fiscal year are excluded.

TABLE 68.—Public domain timber disposition by species, 1960

Species	Timber volume			Value
	Sawtimber	Other	Total	
Green timber	<i>M bd. ft.</i>	<i>M bd. ft.</i>	<i>M bd. ft.</i>	
Alder.....	244.00	244.00	244.00	\$1,496.70
Aspen.....	69.00	103.00	172.00	412.00
Birch, white.....	139.30	139.30	139.30	342.20
Cedar, incense.....	799.00	799.00	799.00	6,927.55
Cedar, port orford.....	12.00	12.00	12.00	85.80
Cedar, western red.....	968.88	968.88	968.88	9,262.88
Cottonwood.....	195.00	66.70	261.70	882.30
Douglas fir.....	87,942.59	138.00	88,080.59	1,816,055.83
Fir, alpine.....	114.70	114.70	114.70	574.45
Fir, balsam.....	3.00	3.00	3.00	15.00
Fir, grand.....	2,938.01	2,938.01	2,938.01	27,026.29
Fir, silver.....	18.00	18.00	18.00	253.80
Fir, white.....	4,601.50	4,601.50	4,601.50	35,692.96
Hemlock, mountain.....	74.60	74.60	74.60	178.12
Hemlock, western.....	13,235.77	5.00	13,240.77	94,655.07
Juniper.....	1,920.20	1,920.20	1,920.20	30,062.70
Maple.....	60.00	60.00	60.00	222.00
Larch, western.....	4,186.21	.50	4,186.71	36,600.59
Pine, jack.....	3.00	3.00	3.00	18.00
Pine, jeffrey.....	2,756.00	2,756.00	2,756.00	50,638.55
Pine, limber.....	3.00	3.00	3.00	22.50
Pine, lodgepole.....	5,716.10	2,809.00	8,525.10	50,854.43
Pine, piñon.....	353.42	353.42	353.42	439.05
Pine, ponderosa.....	30,471.32	49.00	30,520.32	706,644.48
Pine, sugar.....	1,482.00	1,482.00	1,482.00	43,095.55
Pine, western white.....	4,216.01	4,216.01	4,216.01	113,519.02
Spruce, black.....	524.40	524.40	524.40	5,150.60
Spruce, engelmann.....	8,929.96	8,929.96	8,929.96	98,008.91
Spruce, sitka.....	8,875.30	108.40	8,983.70	46,652.26
Spruce, white.....	1,569.80	989.20	2,559.00	14,248.81
Tamarack.....	2.00	2.00	2.00	8.00
Miscellaneous hardwoods.....	4.00	4.00	4.00	20.50
Total green timber.....	179,481.75	7,215.12	186,696.87	3,192,066.90
Salvage timber				
Cedar, port orford.....	8.00	8.00	8.00	77.60
Cedar, western.....	74.00	80.00	154.00	653.20
Douglas fir.....	2,903.40	66.00	2,969.40	58,632.05
Hemlock, western.....	150.00	150.00	150.00	757.50
Juniper.....	1.70	1.70	1.70	25.00
Larch, western.....	229.63	229.63	229.63	229.50
Pine, ponderosa.....	3,925.00	250.80	4,175.80	27,217.35
Pine, sugar.....	67.00	67.00	67.00	858.95
Pine, lodgepole.....	77.20	77.20	77.20	297.45
Pine, piñon.....	1,100.70	1,100.70	1,100.70	1,873.00
Redwood.....	12.00	12.00	12.00	156.00
Spruce, engelmann.....	32.00	3.90	35.90	177.20
Spruce, white.....	1,053.30	1,053.30	1,053.30	842.60
Miscellaneous hardwoods.....	157.30	157.30	157.30	421.20
Total salvage timber.....	7,171.40	2,946.53	10,117.93	92,218.60
Grand total.....	186,653.15	10,161.65	196,814.80	3,284,285.50

NOTE.—Data in this table include all public domain timber dispositions made either by competitive or negotiated sales, rights-of-way sales, additional sales, and free use. This is a record of disposition actions only, not timber actually cut. Timber trespass, and nontimber forest products sold during the fiscal year are excluded. Timber dispositions made on O&C lands are also excluded.

TABLE 69.—*Timber sales program for O&C and intermingled public domain land, 1960*

Master forest unit	Suggestions received ¹		Suggestions incor- porated in program ¹		Sales program as advertised						Additional sales approved 1960 ²	
	Num- ber	Volume	Num- ber	Volume	Total sales ap- proved ²		Sales approved first half of 1960		Sales approved second half of 1960			
					Num- ber	Volume	Num- ber	Volume	Num- ber	Volume		
Regular sales ⁴												
Alsea-Rickreall.....	15	<i>M bd. ft.</i> 41,750	7	<i>M bd. ft.</i> 18,600	38	<i>M bd. ft.</i> 86,600	15	<i>M bd. ft.</i> 30,864	23	<i>M bd. ft.</i> 55,736	7	<i>M bd. ft.</i> 284
Clackamas-Molalla.....					13	24,560			13	24,560		
Columbia.....	8	11,000	1	2,000	28	78,366	13	19,020	15	59,346	12	371
Douglas.....	24	92,650	14	61,650	46	131,700	19	44,950	27	86,750	3	6,500
Jackson.....	4	9,500			23	81,700	4	16,700	19	65,000	3	9,587
Josephine.....	20	137,000	7	37,400	32	124,400	9	41,400	23	83,000		
Klamath.....	2	18,000	1	1,300	12	30,000	8	21,500	4	8,500	2	2,248
Santiam.....	2	11,000	2	11,000	32	65,109	12	25,068	20	40,041	5	153
Stuslaw River.....	14	33,800	8	24,000	42	102,300	18	49,700	24	52,000		
South Coast.....	12	33,150	5	15,500	61	198,563	20	79,863	41	118,700	2	5,985
South Umpqua.....	1	1,500	1	1,500	11	37,150	4	11,000	7	26,150	1	500
Upper Willamette.....	7	28,000	3	9,000	42	90,400	18	41,700	24	48,700	1	247
Total regular sales.....	109	417,350	49	181,950	380	1,050,848	140	381,765	240	669,083	36	25,878
Set-aside sales ⁴												

¹ During 1959 and 1960 the timber sale plan was changed from a calendar year basis to a fiscal year basis. To change the plan to a fiscal year basis, an 18 month timber sale plan was prepared to include the last half of 1959 and 1960 in its entirety. Suggestions received for 1960 in the 18 month plan were incorporated in the 1959 report.

² This is the volume actually listed in the published sales plan. It consists of tracts listed by the Bureau in accordance with development plans, as well as certain of the tracts suggested by operators.

³ Timber not included in the 1960 timber sale program, but for unusual and unforeseen reasons was found in the public interest to sell after consultation with district advisory boards. Also includes some sales from the 1959 sale plan which were not sold in 1959. Does not include negotiated sales.

⁴ "Regular sales", as used in this table, means all timber sale actions not effected specifically under the terms of the set-aside sales agreement between the Bureau of Land Management and the Small Business Administration, dated March 10, 1959. "Set-aside sales" are all actions under that agreement.

reasons was found in the public interest to sell after consultation with district advisory boards. Also includes some sales from the 1959 sale plan which were not sold in 1959. Does not include negotiated sales.

⁴ "Regular sales", as used in this table, means all timber sale actions not effected specifically under the terms of the set-aside sales agreement between the Bureau of Land Management and the Small Business Administration, dated March 10, 1959. "Set-aside sales" are all actions under that agreement.

TABLE 70.—Timber sales on O&C lands, 1960

Species	Regular sales ¹			Set-aside sales ²			Total sales		
	Volume	Sale price	Average price per M	Volume	Sale price	Average price per M	Volume	Sale price	Average price per M
Depletable timber									
Alder.....	M bd. ft.	\$2, 984.30	\$9.95	---	---	---	M bd. ft.	\$2, 984.30	\$9.95
Cedar, Alaska yellow.....	300	67.20	4.20	---	---	---	16	67.20	4.20
Cedar, incense.....	13, 532	132, 349.20	9.78	---	---	---	13, 532	132, 349.20	9.78
Cedar, port orford.....	3, 556	91, 759.40	25.80	---	---	---	3, 556	91, 759.40	25.80
Cedar, western red.....	16, 951	152, 431.45	8.99	---	---	---	16, 951	152, 431.45	8.99
Douglas fir.....	745, 848	28, 317, 320.78	37.97	---	---	---	745, 848	28, 317, 320.78	37.97
Fir, grand.....	43	585.05	13.85	---	---	---	43	585.05	13.85
Fir, noble.....	10, 830	288, 736.55	26.66	---	---	---	10, 830	288, 736.55	26.66
Fir, shasta red.....	54	753.30	13.95	---	---	---	54	753.30	13.95
Fir, silver.....	2, 895	29, 840.95	10.31	---	---	---	2, 895	29, 840.95	10.31
Fir, white.....	28, 160	448, 962.94	15.94	---	---	---	28, 160	448, 962.94	15.94
Hemlock, western.....	58, 814	574, 855.37	9.77	---	---	---	58, 814	574, 855.37	9.77
Hemlock, mountain.....	83	352.75	4.25	---	---	---	83	352.75	4.25
Maple.....	253	1, 061.90	4.20	---	---	---	253	1, 061.90	4.20
Pine, ponderosa.....	11, 508	516, 797.25	44.91	---	---	---	11, 508	516, 797.25	44.91
Pine, sugar.....	19, 008	665, 431.60	35.01	---	---	---	19, 008	665, 431.60	35.01
Pine, western white.....	182	2, 908.60	15.98	---	---	---	182	2, 908.60	15.98
Spruce, sitka.....	50	715.15	14.30	---	---	---	50	715.15	14.30
Spruce, brewers.....	64	688.00	10.75	---	---	---	64	688.00	10.75
Yew, pacific.....	3	40.00	13.33	---	---	---	3	40.00	13.33
Hardwoods, miscellaneous.....	151	1, 143.50	7.57	---	---	---	151	1, 143.50	7.57
Total depletable timber.....	912, 301	31, 229, 785.24	34.23	---	---	---	912, 301	31, 229, 785.24	34.23
Nondepletable timber									
Cedar, incense.....	776	6, 018.00	7.75	---	---	---	776	6, 018.00	7.75
Cedar, port orford.....	63	1, 010.15	16.03	---	---	---	63	1, 010.15	16.03
Cedar, western red.....	3, 643	30, 865.25	8.47	---	---	---	3, 643	30, 865.25	8.47
Douglas fir.....	79, 945	3, 021, 975.10	37.80	---	---	---	79, 945	3, 021, 975.10	37.80
Fir, grand.....	115	1, 455.90	12.66	---	---	---	115	1, 455.90	12.66
Fir, noble.....	327	4, 414.50	13.50	---	---	---	327	4, 414.50	13.50
Fir, silver.....	72	489.60	6.80	---	---	---	72	489.60	6.80
Fir, white.....	494	4, 364.35	9.56	---	---	---	494	4, 364.35	9.56
Hemlock, western.....	7, 676	78, 152.19	10.18	---	---	---	7, 676	78, 152.19	10.18
Maple.....	62	255.40	4.12	---	---	---	62	255.40	4.12
Pine, ponderosa.....	141	2, 789.10	19.78	---	---	---	141	2, 789.10	19.78
Pine, sugar.....	282	5, 464.95	19.38	---	---	---	282	5, 464.95	19.38
Total nondepletable timber.....	93, 596	3, 157, 254.49	33.73	---	---	---	93, 596	3, 157, 254.49	33.73
Grand total.....	1, 005, 897	34, 387, 039.73	34.19	---	---	---	1, 005, 897	34, 387, 039.73	34.19

¹ Regular sales includes all advertised and negotiated sales, right-of-way sales, additional sales (under terms of contract) and small sales *not* let under the specific provisions of the joint agreement between the Bureau of Land Management and the Small Business Administration, dated Mar. 10, 1959.

² All types of sales let under the terms of the Bureau of Land Management and the Small Business Administration set-aside sale agreement of Mar. 10, 1959.

NOTE.—This table includes data for timber sold by the Bureau of Land Management from O&C and CBWR lands during the fiscal year 1960, but the timber was not necessary all cut, removed and paid for during the same period. Data does not include timber dispositions made by free use permit or taken in trespass; sales of other non-timber forest products are also excluded.

Depletable timber is that which has been included in the inventory. Nondepletable timber is that which has not been included in the inventory and usually consists of salvageable logging debris, sanitation thinning, etc. In compiling this table, depletable timber is equivalent to the former "green timber" designation and nondepletable to "salvage."

TABLE 71.—*Timber sales on O&C lands by master unit and district, 1960*

District and master unit	Regular sales ¹			Set-aside sales ¹		
	Volume	Percent of de- clared allow- able cut	Value	Volume	Percent of de- clared allow- able cut	Value
	<i>M bd.ft.</i>	<i>Percent</i>		<i>M bd.ft.</i>	<i>Percent</i>	<i>Dollars</i>
Coos bay: South Coast.....	175,382	110	\$5,562,349.40	-----	-----	-----
Eugene:						
Siuslaw.....	101,521	128	4,314,982.15	-----	-----	-----
Upper Willamette.....	89,023	119	3,356,407.30	-----	-----	-----
Total Eugene district.....	190,544	124	7,671,389.45	-----	-----	-----
Medford:						
Josephine.....	128,467	107	4,321,232.56	-----	-----	-----
Jackson.....	77,715	100	2,918,362.35	-----	-----	-----
Klamath.....	28,520	124	997,830.90	-----	-----	-----
Total Medford district.....	234,702	106	8,237,425.81	-----	-----	-----
Roseburg:						
Douglas.....	130,995	106	4,041,258.35	-----	-----	-----
South Umpqua.....	47,556	146	1,568,007.55	-----	-----	-----
Total Roseburg district.....	178,551	114	5,609,265.90	-----	-----	-----
Salem:						
Columbia.....	63,276	133	2,230,624.89	-----	-----	-----
Clackamas-Molalla.....	23,424	98	626,942.90	-----	-----	-----
Santiam.....	62,705	122	1,922,728.73	-----	-----	-----
Alsea-Rickreall.....	77,313	130	2,526,312.65	-----	-----	-----
Total Salem district.....	226,718	124	7,306,609.17	-----	-----	-----
Grand total.....	1,005,897	115	34,387,039.73	-----	-----	-----

¹ "Regular sales", as used in this table, means all timber sale actions not effected specifically under the terms of the set-aside sale agreement between the Bureau of Land Management and the Small Business Administration, dated Mar. 10, 1959. "Set-aside sales" are all actions under that agreement.

NOTE.—Data include only timber sold during the fiscal year (not necessarily cut) through advertised sales, negotiated sales, additional sales (under terms of contracts), rights-of-way sales, and contract reappraisals. Sales of non-timber forest products, and timber dispositions made under free use permits or effected through a trespass action, are excluded. Allowable cut computations are based on stated allowable cut volumes in effect at the close of the fiscal year, for O&C lands under the jurisdiction of the Bureau of Land Management as of that same date. The sale volume figures used in the percent calculation include some salvage timber, which is not ordinarily chargeable against the allowable cut.

TABLE 72.—*Timber sales on public domain lands by State, 1960*

Area	State	Regular sales ¹			Set-aside sales ¹		
		Volume	Percent of declared allowable cut	Value	Volume	Percent of declared allowable cut	Value
		<i>M bd. ft.</i>	<i>Percent</i>	<i>Dollars</i>	<i>M bd. ft.</i>	<i>Percent</i>	<i>Dollars</i>
1	California.....	31,457.3	52.4	737,864.99	-----	-----	-----
	Oregon.....	67,560.0	72.4	1,522,830.93	-----	-----	-----
	Washington.....	10,168.0	102.0	181,796.76	-----	-----	-----
	Total Area 1.....	109,185.3	66.9	2,442,492.68	-----	-----	-----
2	Arizona.....	18.5	-----	65.00	-----	-----	-----
	Idaho.....	30,635.3	68.8	405,429.80	-----	-----	-----
	Nevada.....	340.8	-----	7,134.40	-----	-----	-----
	Utah.....	2,048.0	35.6	22,305.98	-----	-----	-----
	Total Area 2.....	33,042.6	59.27	434,935.18	-----	-----	-----
3	Colorado.....	12,897.6	84.6	131,476.43	-----	-----	-----
	Montana.....	17,336.0	95.0	169,425.96	-----	-----	-----
	New Mexico.....	284.4	12.0	2,577.55	-----	-----	-----
	South Dakota.....	257.0	None	1,100.00	-----	-----	-----
	Wyoming.....	6,316.2	60.0	52,924.74	-----	-----	-----
	Total Area 3.....	37,091.2	80.0	357,504.68	-----	-----	-----
4	Alaska.....	13,324.3	-----	50,209.26	-----	-----	-----
	Eastern States Office:	-----	-----	-----	-----	-----	-----
	Arkansas.....	-----	-----	-----	-----	-----	-----
	Minnesota.....	621.4	-----	5,369.60	-----	-----	-----
	Total Eastern States Office.....	621.4	-----	5,369.60	-----	-----	-----
	Grand total.....	193,264.8	-----	3,290,511.40	-----	-----	-----

¹ "Regular sales", as used in this table, means all timber sale actions not effected specifically under the terms of the set-aside sale agreement between the Bureau of Land Management and the Small Business Administration, dated Mar. 10, 1959. "Set-aside sales" are all such sale actions effected under the terms of and in accord with procedures laid down by that agreement.

NOTE.—Data include only timber sold during the fiscal year (not necessarily cut) through advertised sales, negotiated sales, additional sales (under the terms of contracts), rights-of-way sales, and contract reappraisals. Sales of nontimber forest products, and timber dispositions made under free use permits or effected through a trespass action, are excluded. Calculations relating sales to allowable cut are based on stated allowable cut volumes in effect at the close of the fiscal year, for public domain forest lands under the jurisdiction of the Bureau of Land Management as of that date. Sale volume figures used in the computation include some salvage timber, which is not ordinarily chargeable against the allowable cut.

TABLE 73.—Free use forest products permits issued 1960

Area	State	Permits	Timber granted					Total volume	Value of timber	Value of non-timber forest products	Total value of forest products
			Saw timber	Cords	Posts	Poles	Other				
		Number	<i>M bd. ft.</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>M bd. ft.</i>	<i>M bd. ft.</i>			
1	California.....	82	4.0	59.5	215			35.5	\$162.75	\$57.60	\$220.35
	Oregon.....	1	1.0			600		4.0	35.00		35.00
	O&C Lands.....	70		606.0	5,481		1.0	327.9	757.18	38.75	795.93
	Public Domain.....	13		82.0	2,450	100		52.0	173.50		173.50
	Washington.....										
	Total Area 1.....	166	5.0	747.5	8,146	700	1.0	419.4	1,128.43	96.35	1,224.78
2	Arizona.....	34		17.0	8,299		7.5	74.1	1,139.80		1,139.80
	Idaho.....	33		453.0	1,550	600	50.0	296.9	356.32		356.32
	Nevada.....	4,610		165.0	4,564			114.4	849.60		3,469.60
	Utah.....	7		4.0	930		5.0	13.5	198.00		198.00
	Total Area 2.....	4,684		639.0	15,343	600	62.5	498.9	2,543.72	2,620.00	5,163.72
3	Colorado.....	483		821.0	1,225			416.4	980.60	407.00	1,387.50
	Montana.....	11		32.0	3,070	300		42.0	233.00		233.00
	New Mexico.....	172		655.0	25,919		0.4	457.6	4,556.05	9.10	4,565.15
	Wyoming.....	11		50.0	237	930	0.3	31.7	143.45		143.45
	Total Area 3.....	677		1,558.0	30,451	1,230	0.7	947.7	5,913.00	416.10	6,329.10
4	Anchorage.....	78		867.0	100			817.3	4,633.05	370.00	5,003.05
	Fairbanks.....	100	85.0	1,190.0			297.0	740.0	3,767.13	20.20	3,787.33
	Juneau.....	4		62.0			145.0	31.0	77.50		77.50
	Total Area 4.....	182	85.0	2,119.0	100			1,588.3	8,477.68	390.20	8,867.88
	Grand total.....	5,709	90.0	5,063.5	54,040	2,530	506.2	3,454.3	18,062.83	3,522.65	21,585.48

NOTE.—Free use timber permits are issued under the acts of June 30, 1878 (20 Stat. 88); Mar. 3, 1891 (26 Stat. 1093); and July 21, 1947 (61 Stat. 681).

TABLE 74.—Free use timber permits issued by species, 1960

Species	Permits	Timber granted					Total volume	Value of timber granted
		Saw timber	Cords	Posts	Poles	Other		
	<i>Number</i>	<i>Mbd. ft.</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Mbd. ft.</i>	<i>M bd. ft.</i>	
Aspen.....	1	7.0					4.0	\$7.00
Birch, white.....	16	170.0		100			86.80	196.45
Cedar, western red.....	2			1,100			6.00	122.50
Cottonwood.....	7	30.0	81.5				70.70	155.50
Douglas fir.....	4	1.0		1,600	600	50.20	59.20	99.32
Fir, red ¹	4							18.0
Fir, white ²	66							39.60
Hemlock, western.....	1	10.0					5.00	12.5
Juniper.....	401	1,194.0	46,258		12.50		867.85	7,456.33
Larch, western.....	33	458.0	1,650				230.13	239.50
Mahogany, mountain.....	1	20.0					10.00	10.00
Oak, black.....	7	38.0					19.00	76.00
Pine, lodgepole.....	22	95.0	2,087	1,830			65.30	312.45
Pine, piñon ³	4,967	841.0	1,255				93.00	3,612.00
Pine, ponderosa.....	16	4.0	1,120	100			154.80	270.00
Spruce, sitka.....	4	45.0				22.80	67.80	471.00
Spruce, white.....	154	10.0	1,857.5			419.20	1,358.00	7,642.23
Materials ⁴	3							38.75
Total.....	5,709	90.0	5,063.5	55,170	2,530	504.70	3,097.58	20,779.13

¹ Christmas trees.² Christmas trees.³ Includes 4,580 Christmas trees.⁴ Includes 1 permit for 40 pounds of Douglas fir seed at \$30; 2 permits for 35 Noble fir seedlings at \$8.75.

TABLE 75.—Timber cut on O&C lands, 1960

District	Volume	Value	District	Volume	Value
	<i>M bd. ft.</i>			<i>M bd. ft.</i>	
Coos Bay ¹	184,893.0	\$5,912,824.62	Salem.....	224,722.0	\$7,266,022.15
Eugene.....	136,738.0	5,579,837.83			
Medford.....	182,322.0	5,629,680.57	Total.....	902,703.1	29,543,645.35
Roseburg ²	174,028.1	5,155,280.18			

¹ Includes volume and value of timber cut on Coos Bay Wagon Road grant lands: 44,522 M bd. ft. \$1,420,188.05.² Includes volume and value of timber cut on Coos Bay Wagon Road grant lands: 2,944 M bd. ft., \$99,208.65.

NOTE.—These data include timber actually cut under contracts, additional sales, right-of-way sales. Excludes timber cut in trespass, under free use permits, sales of non timber forest products, and timber cut on controverted and special act O&C lands under the jurisdiction of the Forest Service, U.S. Department of Agriculture.

TABLE 76.—*Timber cut on public domain lands, 1960*

Area	State	Volume	Value
1	California.....	<i>M bd. ft.</i> 20, 137. 2	\$506, 370. 50
	Oregon.....	44, 036. 8	906, 232. 38
	Washington.....	18, 348. 0	291, 694. 80
	Total Area 1.....	82, 522. 0	1, 704, 297. 68
2	Arizona.....	18. 5	65. 00
	Idaho.....	20, 352. 2	229, 313. 99
	Nevada.....	455. 3	7, 984. 00
	Utah.....	1, 614. 8	18, 710. 42
	Total Area 2.....	22, 440. 8	256, 073. 41
3	Colorado.....	6, 001. 8	63, 307. 38
	Montana.....	12, 642. 0	119, 160. 20
	New Mexico.....	1, 475. 0	15, 286. 53
	South Dakota.....	257. 0	1, 100. 00
	Wyoming.....	1, 506. 2	17, 542. 02
	Total Area 3.....	21, 882. 0	216, 396. 13
4	Anchorage.....	7, 665. 5	31, 470. 03
	Fairbanks.....	1, 944. 2	3, 767. 14
	Juneau.....	4, 619. 0	12, 250. 35
	Total Area 4.....	14, 228. 7	47, 487. 52
	Eastern States Office: Minnesota.....	1, 505. 0	11, 100. 00
	Grand total.....	142, 578. 5	2, 235, 354. 74

NOTE.—These data include timber actually cut on public domain lands under contracts, additional sales, and right-of-way sales. Excludes timber cut in trespass, under free use permits, or sales of nontimber forest products.

TABLE 77.—*Forest products removed from controverted O&C lands, 1960*

National forest	Sawtimber		Other timber products		Nontimber forest products		Total value of forest products removed
	Volume	Value	Volume	Value	Number	Value	
	<i>M bd. ft.</i>		<i>M bd. ft.</i>				
Mount Hood.....	31, 614. 34	\$1, 059, 323. 55	717. 94	\$1, 464. 12	¹ 730	\$311. 00	\$1, 061, 098. 67
Rogue River.....	7, 057. 26	176, 071. 20					176, 071. 20
Siskiyou.....	19, 161. 46	299, 530. 60	438. 80	438. 80			299, 969. 40
Umpqua.....	66, 859. 18	1, 747, 462. 21	778. 01	1, 095. 45			1, 748, 557. 66
Willamette.....	34, 437. 17	874, 844. 69	2, 286. 97	4, 925. 82			879, 770. 51
Total.....	159, 129. 41	4, 157, 232. 25	4, 221. 72	7, 924. 19	730	311. 00	4, 165, 467. 44

¹ Christmas trees.

NOTE.—Public Law 426, 83d Cong., approved June 24, 1954, declared these lands to be reverted O&C railroad grant lands but placed them under the jurisdiction of the Forest Service, U.S. Department of Agriculture. Revenues, however, are distributed according to title II of the O&C Act of Aug. 28, 1937 (50 Stat. 874), as amended.

TABLE 78.—*Forest products removed from special act O&C lands, 1960*

National forest	Sawtimber		Other timber products		Non-timber forest products		Total value of forest products removed
	Volume	Value	Volume	Value	Number	Value	
Mount Hood.....	<i>M bd. ft.</i>		<i>M bd. ft.</i>				
Rogue River.....	3, 213. 70	\$28, 794. 36	6. 28	\$6. 28			\$28, 800. 64
Siskiyou.....							
Siuslaw.....							
Total.....	3, 213. 70	28, 794. 36	6. 28	6. 28			28, 800. 64

NOTE.—Data shown in this table are for certain O&C lands set aside by various acts of Congress to be administered by the Forest Service without losing their O&C identity. The lands in Benton, Clackamas, Jackson and Polk Counties are watershed lands; the land in Josephine County is an administrative site.

Source: Regional Forester, Pacific Northwest Region (Region 6), Forest Service, U.S. Department of Agriculture.

TABLE 79.—*Timber cut on rights-of-way on O&C lands, 1960*

Species of timber	Volume	Value	Species of timber	Volume	Value
Green	<i>M bd. ft.</i>		Green—Continued	<i>M bd. ft.</i>	
Cedar, incense.....	165	\$1, 429. 45	Pine, sugar.....	171	\$5, 254. 45
Cedar, port orford white..	42	1, 182. 75			
Cedar, western red.....	390	4, 545. 45	Salvage		
Douglas fir.....	17, 759	491, 227. 40			
Fir, white.....	502	6, 635. 00	Cedar, incense.....	4	27. 40
Hemlock, western.....	779	9, 632. 50	Douglas fir.....	399	10, 589. 60
Pine, ponderosa.....	233	5, 780. 00	Total.....	20, 444	¹ 536, 304. 00

¹ Includes 109 separate right-of-way sales.

TABLE 80.—*Sales of nontimber forest products on O&C lands, 1960*

Material sold	Unit	Quantity sold	Individual sales	Total sale price
		<i>Number</i>	<i>Number</i>	
Cascara bark.....	Pound.....	2,650	3	\$53.00
Christmas trees.....	Each.....	1,260	4	510.00
Huckleberry brush.....	Bunch.....	5,500	1	55.00
Moss.....	Bale.....	200	3	20.00
Sword fern.....	Bunch.....	6,600	8	132.00
Total.....			19	770.00

TABLE 81.—*Timber cut on rights-of-way on public domain lands, 1960*

Species	Volume	Value	Species	Volume	Value
Green timber	<i>M bd. ft.</i>		Green timber—Continued	<i>M bd. ft.</i>	
Cedar, incense.....	19.00	\$178.65	Pine, sugar.....	54.00	\$1,833.00
Cedar, port orford.....	12.00	85.80	Pine, western white.....	8.01	231.89
Cedar, western red.....	75.82	680.52	Spruce, engelmann.....	9.41	101.97
Douglas fir.....	2,030.99	56,262.63	Spruce, sitka.....	180.00	1,089.00
Fir, alpine.....	.20	.70			
Fir, grand.....	52.01	203.24	Salvage timber		
Fir, white.....	6.00	41.50	Douglas fir.....	13.00	91.00
Larch, western.....	14.00	92.60			
Hemlock, western.....	194.00	982.10	Total.....	2,988.61	66,117.98
Pine, lodgepole.....	58.78	268.78			
Pine, ponderosa.....	261.39	3,974.60			

Note: 57 right-of-way sales involved.

TABLE 82.—*Sales of nontimber forest products on public domain lands, 1960*

Material	Unit	Quantity	Individual sales	Sale price
Christmas trees.....	Bale.....	2,524	11	\$1,586.25
Christmas trees.....	Each.....	625,444	285	53,937.55
Creosote leaves.....	Ton.....	100	1	200.00
Evergreen boughs.....	Ton.....	50	1	50.00
Evergreen boughs.....	Load.....	1	-----	1.00
Peat moss.....	Cubic yard.....	700	1	105.00
Pinon wildings.....	Each.....	430	6	112.50
Seedlings.....	Each.....	5	1	.75
Wildings (Cacti, Joshua, etc.).....	Each.....	1,171	18	431.75
Total.....			324	56,424.80

TABLE 83.—*Reforestation accomplishments, 1960*

Area	State	Completed with appropriated funds						Completed by timber sale purchaser						Total	
		Planting			Direct seeding			Planting			Direct seeding				
		Area	Seedlings	Cost	Area	Seed	Cost	Area	Seedlings	Cost	Area	Seed	Cost		
1	O&C lands														
	Oregon:														
	O&C land.....	Acres 7,325	Thou- sands 3,774	\$127,230 8,390	Acres 7,508	Pounds 5,500	\$12,444 598	Acres 4,191	Thou- sands 2,514	\$72,137	Acres 897	Pounds 654	\$2,412 135	Acres 19,921	\$214,223 9,196
	CBWR land.....	405	243		818	598	671				165	117		1,388	
	Total O&C lands	7,730	4,017	135,620	8,326	6,098	13,115	4,191	2,514	72,137	1,062	771	2,547	21,309	223,419
1	Public domain lands														
	California.....	261	177	9,180											
	Oregon.....				23	17	19	9	5	194	11	8	38	261	9,180
	Washington.....													43	251
	Total Area 1.....	7,991	4,194	144,800	8,349	6,115	13,134	4,200	2,519	72,331	1,073	779	2,585	21,613	232,850
3	Colorado.....	80	7.5	191										80	191
	Total public domain lands.....	341	184.5	9,371	23	17	19	9	5	194	11	8	38	384	9,622
	Grand total.....	8,071	4,201.5	144,991	8,349	6,115	13,134	4,200	2,519	72,331	1,073	779	2,585	21,693	233,041

1 Project treatment costs only.

TABLE 84.—*Site and stand improvement accomplishments on O & C lands, 1960*

Financing technique	Site improvement ¹						Stand improvement			Baiting ¹	
	Scarification		Herbicide treatment		Snag fellings		Thinning		Pruning	Area	Cost
	Area	Cost	Area	Cost	Area	Snags	Area	Cost			
Project contracts financed by appropriated funds:											
O & C lands:	<i>Acres</i>	\$18,612	<i>Acres</i>	\$15,861	<i>Acres</i>	<i>Number</i>				<i>Acres</i>	\$2,495
CBWR lands:	711		1,257		1,597	12,130				3,761	
Timber sale contracts financed by appraisal allowance:	130	3,770	408	2,935						842	518
O & C lands:											
CBWR lands:											
Total O & C lands:	711	18,612	1,257	15,861	1,597	12,130				3,761	2,495
Total CBWR lands:	130	3,770	408	2,935						842	518
Grand total:	841	22,382	1,665	18,796	1,597	12,130				4,603	3,013

¹ Project costs only. Overhead costs not included.

PART 7

RANGE MANAGEMENT

The range management activities of the Bureau of Land Management encompass the conservation, management, and development of public domain lands in 11 western States and the State of Alaska.

Under the provisions of section 3 of the Taylor Grazing Act the Bureau administers 161.5 million acres in 59 grazing districts (T. 85). Over 18,300 operators held 19,000 licenses or permits (T. 87, 88) to graze 8.5 million head of livestock on the Federal range during 1960 (T. 89). These animals, together with an estimated 1.3 million big game (T. 94), consumed 15.3 million and 1.6 million animal unit months of forage, respectively (T. 90, 94). Gross returns to the United States Treasury from licenses and permits totaled \$2.7 million (T. 114).

Outside of grazing districts are a large number of isolated tracts of public domain which are subject to leasing for grazing purposes under section 15 of the Taylor Grazing Act and which embrace approximately 17.3 million acres (T. 92). On these lands 9,848 leases (T. 92) were issued to 8,833 operators (T. 91), who grazed 2.3 million head of livestock during the year (T. 91). Annual lease rentals, amounting to \$419,000 (T. 114) were returned to the United States Treasury in 1960.

In addition to Taylor Grazing Act administration, the Bureau conducts a program of soil and moisture conservation to rehabilitate millions of acres of critically eroded range land; a program of range improvement to facilitate the management of livestock on the range; and a program to control undesirable plants which infest the public domain. In 1960 the Bureau seeded 140,000 acres, controlled brush on 76,000 acres, constructed 828 reservoirs, 196 springs, and 1,836 miles of fencing (T. 95, 96, 97, 99). Waterspreading structures were constructed on 12,000 acres (T. 95, 97).

The Alaska Grazing Act of March 4, 1927 and Departmental regulations (43 CFR 63) provide the necessary instruments for the leasing of unreserved grazing lands in Alaska. In 1960 there were 63 leases issued covering an area of 1.2 million acres. Annual rental returned to the United States Treasury amounted to \$7,094 (T. 92).

DEFINITIONS OF TERMS

Animal unit:

A standardized unit of measurement for range livestock which is equivalent to one cow or one horse or five sheep or five goats, all over six months of age.

Animal unit month:

The amount of forage which is necessary for the complete sustenance of one animal unit for a period of one month; also, a unit of measurement of grazing privileges within grazing districts which represents the privilege of grazing one animal unit for a period of one month.

Grazing district:

An administrative subdivision of the range lands under the jurisdiction of the Bureau of Land Management, established pursuant to Section 1 of the Taylor Grazing Act, to facilitate management of their forage resources.

Grazing lease:

A lease which authorizes the use of public lands outside the grazing districts for the grazing livestock during a specified period of time.

Grazing lease lands:

Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States, are administered by the Bureau of Land Management, and are subject to leasing for grazing purposes under the Alaska Grazing Law of 1927, the Taylor Grazing Act of 1934, the O&C Act of 1937, or the Reindeer Act of 1937.

Grazing license:

An authorization which permits the grazing of a specified number and class of livestock on a designated area of grazing district lands for a period of time, usually not in excess of one year. Grazing licenses are issued to the applicants for grazing privileges within grazing districts as a temporary measure pending final adjudication of their applications.

Grazing permit:

An authorization which permits the grazing of a specified number and class of livestock on a designated area of grazing district lands during specified seasons each year for a period of usually 10 years. Grazing permits are issued to applicants for grazing privileges within grazing districts after final adjudication of their applications.

TABLE 85.—Area and status of land within grazing districts, 1960

Area	State	Num-ber of dis-tricts	Lands administered by Bureau of Land Management										Lands administered by other owners			Grand total
			Vacant public lands	Reserved lands		Other Federal lands from which—	Non-Federal lands administered—		Total	Federal lands	Private, State, etc. lands	Total				
				LU	Other		Fees to BLM	Fees to other agencies					Under the Pierce Act	By other agree-ment		
			A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	A-cres	
1	California	2	2,608,520	156,172	156,172	1,149,669	45,464	975	32,654	3,947,990	39,027	2,783,645	8,326,822	16,469,954		
	Oregon	6	12,371,616	94,923	66,740	53,674	45,464	1,062,417	1,062,417	13,694,834	366,114	6,799,351	23,260,557	31,131,725		
	Total Area 1	8	14,980,136	94,923	222,912	1,203,343	45,464	975	1,095,071	17,642,824	405,141	9,582,996	25,436,352	42,629,171		
2	Arizona	4	10,528,962	39,127	337,545	923,949	887,518	---	---	12,717,101	1,860,649	4,335,914	8,326,822	21,133,474		
	Idaho	5	11,075,085	73,316	287,984	590,459	406,125	---	254,738	12,687,687	570,483	9,462,478	194,959	23,181,132		
	Nevada	6	42,442,668	3,383	1,137,224	2,874,948	869,015	---	350,185	47,677,423	2,044,662	7,162,166	3,480,301	17,780,556		
	Utah	11	23,998,434	18,749	175,375	1,318,972	19,746	6,516	608,025	26,145,817	---	---	---	23,278,824		
	Total Area 2	26	88,045,149	134,575	1,938,108	5,708,328	2,182,404	6,516	1,212,948	99,128,028	4,475,794	20,960,558	25,436,352	124,664,380		
3	Colorado	8	7,490,345	36,541	226,868	333,975	---	---	55,413	8,143,132	65,036	8,261,786	8,326,822	16,469,954		
	Montana	6	5,205,969	1,822,590	20,780	665,360	18,930	---	22,005	7,755,634	194,959	23,181,132	23,376,091	31,131,725		
	New Mexico	6	12,738,435	270,884	751,051	248,147	65,609	---	43,987	14,118,113	3,480,301	17,780,556	21,260,857	35,378,970		
	Wyoming	5	13,184,816	---	1,042,547	127,647	321,292	---	3,400	14,679,702	141,221	8,457,901	8,599,122	23,278,824		
	Total Area 3	25	38,619,565	2,130,015	2,041,236	1,375,129	405,831	---	124,805	44,696,581	3,885,517	57,681,375	61,562,892	106,259,473		
	Grand total	59	114,644,850	2,359,513	4,202,256	8,286,800	2,633,699	7,491	2,432,824	161,567,433	8,766,452	88,224,929	96,987,381	258,554,814		

¹ Includes acreages in Alpine, Lassen, Mono, and Plumas Counties, California, under jurisdiction of Nevada Grazing District No. 3.

² Includes acreages in Grant and Hidalgo Counties, New Mexico, under jurisdiction of Arizona Grazing District No. 4.

³ Includes acreages in Bear Lake County, Idaho, under jurisdiction of Wyoming Grazing District No. 4.

MANAGEMENT AREAS
BUREAU OF LAND MANAGEMENT DISTRICT GRAZING AND FORESTRY OFFICES

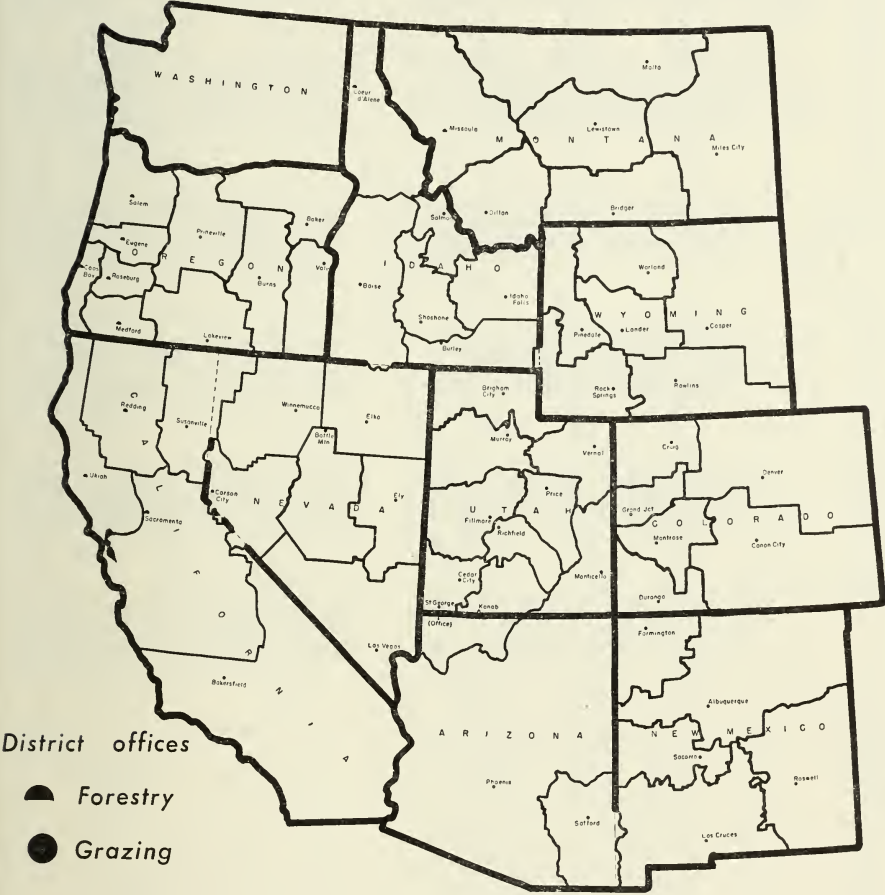


FIGURE 10

TABLE 86.—Permitted use of grazing district lands, 1954-1960

Area	State	A. Animal units							
		1954	1955	1956	1957	1958	1959	1960	
1	California.....	134, 086	137, 372	142, 781	135, 168	94, 932	95, 226	144, 026	
	Oregon.....	285, 318	279, 209	293, 682	357, 516	272, 817	279, 062	276, 561	
	Total Area 1.....	419, 404	416, 581	436, 463	492, 684	367, 749	374, 288	420, 587	
2	Arizona.....	99, 993	92, 520	100, 957	117, 224	127, 042	104, 404	133, 966	
	Idaho.....	493, 623	517, 041	483, 804	474, 732	460, 456	462, 138	476, 493	
	Nevada.....	546, 563	550, 180	554, 756	562, 422	536, 570	536, 832	527, 174	
3	Utah.....	469, 933	457, 171	451, 935	444, 391	448, 055	438, 115	481, 672	
	Total Area 2.....	1, 610, 112	1, 616, 912	1, 591, 452	1, 598, 769	1, 572, 123	1, 541, 489	1, 619, 305	
	Colorado.....	324, 963	332, 350	314, 452	300, 192	304, 124	316, 273	315, 781	
4	Montana.....	505, 918	448, 133	416, 770	392, 477	364, 799	340, 754	485, 733	
	New Mexico.....	399, 625	413, 048	399, 079	413, 772	394, 555	355, 833	373, 061	
	Wyoming.....	503, 357	504, 674	512, 009	532, 937	492, 200	465, 123	454, 924	
5	Total Area 3.....	1, 733, 863	1, 698, 205	1, 642, 310	1, 639, 378	1, 555, 678	1, 477, 983	1, 629, 499	
	Grand total.....	3, 763, 379	3, 731, 698	3, 670, 225	3, 730, 831	3, 495, 550	3, 393, 760	3, 669, 391	
	B. Animal unit months								
1	California.....	368, 284	377, 586	400, 057	373, 702	373, 515	385, 664	405, 184	
	Oregon.....	1, 109, 436	1, 139, 200	1, 116, 085	1, 131, 722	1, 129, 122	1, 124, 630	1, 112, 835	
	Total Area 1.....	1, 477, 720	1, 516, 786	1, 516, 142	1, 505, 424	1, 502, 637	1, 510, 294	1, 518, 019	
2	Arizona.....	696, 572	669, 416	680, 358	570, 318	611, 395	611, 441	780, 821	
	Idaho.....	1, 639, 418	1, 608, 125	1, 599, 598	1, 449, 968	1, 413, 419	1, 398, 575	1, 408, 087	
	Nevada.....	3, 211, 967	3, 147, 530	3, 197, 480	3, 156, 314	3, 194, 018	3, 139, 461	3, 132, 639	
3	Utah.....	2, 537, 911	2, 471, 866	2, 452, 849	2, 414, 023	2, 339, 724	2, 333, 995	2, 343, 993	
	Total Area 2.....	8, 085, 868	7, 896, 927	7, 930, 285	7, 619, 623	7, 558, 556	7, 483, 072	7, 665, 540	
	Colorado.....	928, 387	906, 360	870, 657	846, 337	798, 922	781, 713	773, 414	
4	Montana.....	985, 300	945, 219	934, 395	928, 203	909, 852	896, 833	1, 290, 082	
	New Mexico.....	2, 200, 275	2, 089, 139	2, 059, 779	1, 754, 478	2, 088, 635	2, 152, 922	2, 238, 481	
	Wyoming.....	2, 008, 715	2, 012, 587	1, 989, 598	2, 007, 064	1, 938, 836	1, 925, 022	1, 778, 881	
5	Total Area 3.....	6, 122, 677	5, 953, 575	5, 854, 429	5, 536, 082	5, 736, 245	5, 756, 490	6, 081, 458	
	Grand total.....	15, 686, 265	15, 367, 288	15, 300, 856	14, 661, 129	14, 797, 438	14, 749, 856	15, 265, 017	

TABLE 87.—Permitted use of grazing district lands, 1960

Area	State	Cattle	Horses	Sheep	Goats	Total
	Number of operators	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1	California.....	350	5	40	-----	395
	Oregon.....	1, 069	8	54	-----	1, 131
	Total Area 1.....	1, 419	13	94	-----	1, 526
2	Arizona.....	510	5	25	2	542
	Idaho.....	2, 011	21	428	-----	2, 460
	Nevada.....	820	20	134	-----	974
	Utah.....	2, 158	14	724	4	2, 900
	Total Area 2.....	5, 499	60	1, 311	6	6, 876
3	Colorado.....	1, 249	17	394	-----	1, 660
	Montana.....	2, 712	7	320	-----	3, 039
	New Mexico.....	1, 917	206	1, 840	72	4, 035
	Wyoming.....	869	8	358	-----	1, 235
	Total Area 3.....	6, 747	238	2, 912	72	9, 969
	Total operators.....	13, 665	311	4, 317	78	18, 371
	Number of livestock					
1	California.....	105, 020	1, 007	189, 997	-----	296, 024
	Oregon.....	248, 666	2, 171	128, 620	-----	379, 457
	Total Area 1.....	353, 686	3, 178	318, 617	-----	675, 481
2	Arizona.....	121, 426	1, 442	54, 955	535	178, 358
	Idaho.....	273, 056	4, 122	996, 576	-----	1, 273, 754
	Nevada.....	407, 223	6, 784	565, 837	-----	979, 844
	Utah.....	218, 800	2, 008	1, 303, 603	715	1, 525, 126
	Total Area 2.....	1, 020, 505	14, 356	2, 920, 971	1, 250	3, 957, 082
3	Colorado.....	191, 206	690	594, 425	-----	786, 321
	Montana.....	392, 940	6, 780	430, 059	5	829, 784
	New Mexico.....	268, 021	6, 483	479, 081	13, 705	767, 290
	Wyoming.....	229, 549	5, 239	1, 100, 669	15	1, 335, 472
	Total Area 3.....	1, 081, 716	19, 192	2, 604, 234	13, 725	3, 718, 867
	Total livestock.....	2, 455, 907	36, 726	5, 843, 822	14, 975	8, 351, 430
	Animal-unit-months of use					
1	California.....	303, 943	3, 154	98, 087	-----	405, 184
	Oregon.....	1, 015, 921	10, 982	85, 932	-----	1, 112, 835
	Total Area 1.....	1, 319, 864	14, 136	184, 019	-----	1, 518, 019
2	Arizona.....	729, 767	11, 827	37, 756	1, 471	780, 821
	Idaho.....	824, 527	17, 031	566, 526	-----	1, 408, 087
	Nevada.....	2, 328, 352	52, 395	751, 892	-----	3, 132, 639
	Utah.....	1, 120, 682	12, 387	1, 210, 169	755	2, 343, 993
	Total Area 2.....	5, 003, 328	93, 643	2, 566, 343	2, 226	7, 665, 540
3	Colorado.....	415, 915	2, 655	354, 844	-----	773, 414
	Montana.....	1, 061, 106	19, 933	209, 640	3	1, 290, 682
	New Mexico.....	1, 662, 743	45, 198	512, 101	18, 439	2, 238, 481
	Wyoming.....	814, 261	22, 875	941, 736	9	1, 778, 881
	Total Area 3.....	3, 954, 025	90, 661	2, 018, 321	18, 451	6, 081, 458
	Total animal-unit-months of use.....	10, 277, 217	198, 440	4, 768, 683	20, 677	15, 265, 017

TABLE 88.—*Grazing permits in force on grazing district lands, 1960*

Area	State	Permits				Total
		Cattle	Horses	Sheep	Goats	
	Regular Permits					
1	California.....	<i>Number</i> 374	<i>Number</i> 3	<i>Number</i> 43	<i>Number</i> -----	<i>Number</i> 420
	Oregon.....	1,069	7	53	-----	1,129
	Total Area 1.....	1,443	10	96	-----	1,549
2	Arizona.....	914	10	59	2	985
	Idaho.....	1,980	16	400	-----	2,396
	Nevada.....	818	14	118	-----	950
	Utah.....	2,129	10	714	3	2,856
	Total Area 2.....	5,841	50	1,291	5	7,187
3	Colorado.....	1,248	16	388	-----	1,652
	Montana.....	2,725	7	322	-----	3,054
	New Mexico.....	1,781	10	473	15	2,279
	Wyoming.....	866	8	358	-----	1,232
	Total Area 3.....	6,620	41	1,541	15	8,217
	Total regular permits.....	13,904	101	2,928	20	16,953
	Free use permits					
1	California.....	2	2	-----	-----	4
	Oregon.....	-----	-----	-----	-----	-----
	Total Area 1.....	2	2	-----	-----	4
2	Arizona.....	3	3	-----	-----	6
	Idaho.....	11	3	-----	-----	14
	Nevada.....	3	6	-----	-----	9
	Utah.....	16	3	1	1	21
	Total Area 2.....	33	15	1	1	50
3	Colorado.....	6	3	-----	-----	9
	Montana.....	-----	-----	-----	-----	-----
	New Mexico.....	237	196	1,370	57	1,860
	Wyoming.....	5	1	-----	-----	6
	Total Area 3.....	248	200	1,370	57	1,875
	Total free use permits.....	283	217	1,371	58	1,929
	Crossing permits					
1	California.....	-----	-----	5	-----	5
	Oregon.....	1	-----	10	-----	11
	Total Area 1.....	1	-----	15	-----	16
2	Arizona.....	6	-----	-----	-----	6
	Idaho.....	24	-----	13	-----	37
	Nevada.....	-----	-----	2	-----	2
	Utah.....	3	-----	8	-----	11
	Total Area 2.....	33	-----	23	-----	56
3	Colorado.....	-----	-----	7	-----	7
	Montana.....	12	-----	-----	-----	12
	New Mexico.....	2	-----	-----	-----	2
	Wyoming.....	1	-----	-----	-----	1
	Total Area 3.....	15	-----	7	-----	22
	Total crossing permits.....	49	-----	45	-----	94
	Grand total.....	14,236	318	4,344	78	18,976

TABLE 89.—Permitted livestock on grazing district lands, 1960

Area	State	Cattle	Horses	Sheep	Goats	Total
Regular permits						
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1	California.....	105, 013	999	155, 447	-----	261, 459
	Oregon.....	248, 366	2, 171	116, 650	-----	367, 187
	Total Area 1.....	353, 379	3, 170	272, 097	-----	628, 646
2	Arizona.....	122, 426	1, 431	57, 155	535	181, 547
	Idaho.....	272, 001	4, 115	969, 866	-----	1, 245, 982
	Nevada.....	417, 263	6, 758	586, 012	-----	1, 010, 033
	Utah.....	220, 404	2, 057	1, 345, 166	710	1, 568, 337
	Total Area 2.....	1, 032, 094	14, 361	2, 958, 199	1, 245	4, 005, 899
3	Colorado.....	194, 912	697	605, 260	-----	800, 869
	Montana.....	396, 383	6, 780	430, 409	5	833, 577
	New Mexico.....	273, 912	3, 564	433, 963	6, 920	718, 359
	Wyoming.....	231, 608	5, 274	1, 106, 755	15	1, 343, 652
	Total Area 3.....	1, 096, 815	16, 315	2, 576, 387	6, 940	3, 696, 457
	Total regular permits.....	2, 482, 288	33, 846	5, 806, 683	8, 185	8, 331, 002
Free use permits						
1	California.....	7	8	-----	-----	15
	Oregon.....	-----	-----	-----	-----	-----
	Total Area 1.....	7	8	-----	-----	15
2	Arizona.....	11	11	-----	-----	22
	Idaho.....	38	21	-----	-----	59
	Nevada.....	28	26	-----	-----	54
	Utah.....	475	12	1, 435	-----	1, 922
	Total Area 2.....	552	70	1, 435	-----	2, 057
3	Colorado.....	37	8	-----	-----	45
	Montana.....	-----	-----	-----	-----	-----
	New Mexico.....	1, 090	2, 919	40, 116	6, 785	50, 910
	Wyoming.....	27	7	-----	-----	34
	Total Area 3.....	1, 154	2, 934	40, 116	6, 785	50, 989
	Total free use permits.....	1, 713	3, 012	41, 551	6, 785	53, 061
Crossing permits						
1	California.....	-----	-----	34, 550	-----	34, 550
	Oregon.....	300	-----	11, 970	-----	12, 270
	Total Area 1.....	300	-----	46, 520	-----	46, 820
2	Arizona.....	305	-----	-----	-----	305
	Idaho.....	2, 597	-----	31, 547	-----	34, 144
	Nevada.....	-----	-----	2, 700	-----	2, 700
	Utah.....	258	-----	16, 005	-----	16, 263
	Total Area 2.....	3, 160	-----	50, 252	-----	53, 412
3	Colorado.....	-----	-----	11, 400	-----	11, 400
	Montana.....	995	-----	-----	-----	995
	New Mexico.....	700	-----	6, 808	-----	7, 508
	Wyoming.....	-----	-----	2, 200	-----	2, 200
	Total Area 3.....	1, 695	-----	20, 408	-----	22, 103
	Total crossing permits.....	5, 155	-----	117, 180	-----	122, 335
	Grand total.....	2, 489, 156	36, 858	5, 965, 414	14, 970	8, 506, 398

TABLE 90.—*Animal unit months of permitted use of grazing district lands, 1960*

Area	State	Use by—				Total
		Cattle	Horses	Sheep	Goats	
Regular permits						
1	California.....	<i>AUM's</i> 303, 884	<i>AUM's</i> 3, 058	<i>AUM's</i> 93, 049	<i>AUM's</i> -----	<i>AUM's</i> 399, 991
	Oregon.....	1, 015, 802	10, 982	80, 631	-----	1, 107, 415
	Total Area 1.....	1, 319, 686	14, 040	173, 680	-----	1, 507, 406
2	Arizona.....	729, 595	11, 739	36, 682	1, 471	779, 487
	Idaho.....	823, 883	16, 952	564, 841	-----	1, 405, 676
	Nevada.....	2, 328, 131	52, 209	740, 557	-----	3, 120, 897
	Utah.....	1, 117, 538	12, 291	1, 201, 208	750	2, 331, 787
	Total Area 2.....	4, 999, 147	93, 191	2, 543, 288	2, 221	7, 637, 847
3	Colorado.....	415, 555	2, 629	341, 231	-----	759, 415
	Montana.....	1, 061, 006	19, 933	209, 613	3	1, 290, 555
	New Mexico.....	1, 655, 570	23, 268	446, 565	7, 866	2, 133, 269
	Wyoming.....	812, 219	22, 845	926, 179	9	1, 761, 252
	Total Area 3.....	3, 944, 350	68, 675	1, 923, 588	7, 878	5, 944, 491
Total regular permits.....		10, 263, 183	175, 906	4, 640, 556	10, 099	15, 089, 744
Free use permits						
1	California.....	59	96	-----	-----	155
	Oregon.....	-----	-----	-----	-----	-----
	Total Area 1.....	59	96	-----	-----	155
2	Arizona.....	88	88	-----	-----	176
	Idaho.....	133	82	-----	-----	215
	Nevada.....	221	186	-----	-----	407
	Utah.....	2, 321	96	1, 722	5	4, 144
	Total Area 2.....	2, 763	452	1, 722	5	4, 942
3	Colorado.....	176	26	-----	-----	202
	Montana.....	-----	-----	-----	-----	-----
	New Mexico.....	6, 708	21, 930	64, 134	10, 573	103, 345
	Wyoming.....	156	30	-----	-----	186
	Total Area 3.....	7, 040	21, 986	64, 134	10, 573	103, 733
Total free use permits.....		9, 862	22, 534	65, 856	10, 578	108, 830
Crossing and trailing permits						
1	California.....	-----	-----	5, 038	-----	5, 038
	Oregon.....	119	-----	5, 301	-----	5, 420
	Total Area 1.....	119	-----	10, 339	-----	10, 458
2	Arizona.....	84	-----	1, 074	-----	1, 158
	Idaho.....	511	-----	1, 685	-----	2, 196
	Nevada.....	-----	-----	11, 335	-----	11, 335
	Utah.....	823	-----	7, 239	-----	8, 062
	Total Area 2.....	1, 418	-----	21, 333	-----	22, 751
3	Colorado.....	184	-----	13, 613	-----	13, 797
	Montana.....	100	-----	27	-----	127
	New Mexico.....	465	-----	1, 402	-----	1, 867
	Wyoming.....	1, 886	-----	15, 557	-----	17, 443
	Total Area 3.....	2, 635	-----	30, 599	-----	33, 234
Total crossing and trailing permits.....		4, 172	-----	62, 271	-----	66, 443
Grand total.....		10, 277, 217	198, 440	4, 768, 683	20, 677	15, 265, 017

TABLE 91.—*Estimated use of Taylor Grazing Act grazing lease lands, 1960*

Area	State	Operators	Livestock		Estimated actual use	Estimated capacity available
			Cattle and horses	Sheep and goats		
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>AUM's</i>	<i>AUM's</i>
1	California.....	945	49,048	58,897	411,828	465,082
	Oregon ¹	926	45,733	87,997	136,038	130,805
	Washington.....	575	9,063	7,938	43,922	52,836
	Total Area 1.....	2,446	103,844	154,832	591,788	648,723
2	Arizona.....	584	91,507	23,000	323,843	350,000
	Idaho.....	697	45,605	165,857	83,153	89,523
	Nevada.....	42	6,000		60,000	80,000
	Utah.....					
	Total Area 2.....	1,323	143,112	188,857	466,996	519,523
3	Colorado.....	676	21,399	96,881	78,380	81,229
	Kansas.....	8	100		90	110
	Nebraska.....	52	300		500	540
	New Mexico.....	650	4,278	2,955	58,434	60,970
	Montana.....	1,334	267,963	320,742	257,644	263,373
	North Dakota.....	101	10,400	8,000	17,455	24,279
	Oklahoma.....	73	196		2,352	2,516
	South Dakota.....	359	57,920	90,624	78,079	8,1906
	Wyoming.....	1,811	204,710	666,667	477,831	497,763
	Total Area 3.....	5,064	567,266	1,185,869	970,765	1,012,686
	Grand total.....	8,833	814,222	1,529,558	2,029,549	2,180,932

¹ Includes O&C lands.TABLE 92.—*Grazing leases in force, 1960*

Area	State	Number	Acres	Annual rental
1	California.....	1,057	4,646,744	\$70,676.41
	Oregon:			
	O&C lands ¹	203	434,451	13,005.00
	Public domain lands.....	781	677,870	24,590.00
	Washington.....	575	272,830	9,557.66
	Total Area 1.....	2,616	6,031,895	117,829.07
2	Arizona.....	731	2,051,647	57,714.42
	Idaho.....	829	329,662	14,221.42
	Nevada.....	42	3,205,031	13,864.82
	Utah.....	1	6,516	651.60
	Total Area 2.....	1,603	5,592,856	86,452.26
3	Colorado.....	759	527,977	22,699.09
	Kansas.....	8	880	25.10
	Montana.....	1,494	1,200,700	43,679.34
	Nebraska.....	52	3,955	38.28
	New Mexico.....	685	353,694	13,334.86
	North Dakota.....	100	56,729	3,050.00
	Oklahoma.....	73	8,151	447.95
	South Dakota.....	373	259,905	19,566.00
	Wyoming.....	2,085	3,262,529	119,017.70
	Total Area 3.....	5,629	5,674,520	221,858.32
4	Anchorage ²	52	1,074,020	6,948.98
	Fairbanks.....	8	158,730	124.42
	Juneau.....	3	447	21.00
	Total Area 4.....	63	1,233,197	7,094.40
	Total Grazing leases.....	9,911	18,532,468	433,234.05

¹ Issued pursuant to the authority contained in the act of Aug. 28, 1937 (50 Stat. 874).² Authority for the issuance of grazing leases in Alaska is found in the act of Mar. 4, 1927 (44 Stat. 1452.)

NOTE.—All leases shown in this table except those in Alaska and on the O&C lands in Oregon, were issued pursuant to the authority contained in sec. 15, act of June 28, 1934 (48 Stat. 1269).

TABLE 93.—*Estimated use of grazing lease lands, Alaska, 1960*

Land district	Operators	Livestock		Estimated actual use	Estimated capacity available
		Cattle and horses	Sheep and goats		
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>AUM's</i>	<i>AUM's</i>
Anchorage.....	53	3,004	13,776	65,721	173,816
Fairbanks.....	8	161	—	966	3,360
Juneau.....	3	63	8	280	331
Total.....	64	3,228	13,784	66,967	177,507

NOTE.—Act of Mar. 4, 1927 (44 Stat. 1452; 48 U.S.C. 471, 471a-471o).

TABLE 94.—*Estimated big game use of grazing district lands, 1960*

Area	State	A. Number of animals						
		Antelope	Deer	Elk	Moose	Mountain sheep	Other	Total
1	California.....	1,400	86,000	150	—	300	¹ 30	87,880
	Oregon.....	9,800	117,000	485	—	—	—	127,285
	Total Area 1.....	11,200	203,000	635	—	300	30	215,165
2	Arizona.....	420	16,755	30	—	1,715	² 2,700	21,620
	Idaho.....	6,570	95,995	1,955	300	120	¹ 305	105,245
	Nevada.....	4,525	103,187	95	—	1,635	—	109,442
	Utah.....	1,510	212,347	686	—	160	³ 65	214,768
	Total Area 2.....	13,025	428,284	2,766	300	3,630	3,070	451,075
3	Colorado.....	5,065	345,618	4,390	—	198	⁴ 580	355,851
	Montana.....	43,150	78,545	4,102	200	265	⁵ 6	126,268
	New Mexico.....	5,805	22,700	125	—	165	² 500	29,295
	Wyoming.....	61,064	34,950	6,260	236	30	⁵ 9	102,549
	Total Area 3.....	115,084	481,813	14,877	436	658	1,095	613,963
Grand total.....		139,309	1,113,097	18,278	736	4,588	4,195	1,280,203
Area	State	B. Animal unit months						
		Antelope	Deer	Elk	Moose	Mountain sheep	Other	Total
1	California.....	2,277	29,921	1,344	—	720	—	34,262
	Oregon.....	18,836	145,050	1,095	—	—	—	164,981
	Total Area 1.....	21,113	174,971	2,439	—	720	—	199,243
2	Arizona.....	672	36,636	240	—	4,706	3,600	45,854
	Idaho.....	14,423	123,467	7,484	375	180	40	145,969
	Nevada.....	9,594	160,063	1,110	—	3,684	—	174,451
	Utah.....	4,650	349,108	2,612	—	420	1,056	357,846
	Total Area 2.....	29,339	669,274	11,446	375	8,990	4,696	724,120
3	Colorado.....	8,076	336,632	12,218	—	659	—	357,585
	Montana.....	24,082	49,778	9,498	400	149	30	83,937
	New Mexico.....	10,601	28,419	185	—	283	750	40,238
	Wyoming.....	88,019	61,910	14,379	183	42	—	164,533
	Total Area 3.....	130,778	476,739	36,280	583	1,133	780	646,293
Grand total.....		181,230	1,320,984	50,165	958	10,843	5,476	1,569,656

¹ Bear and mountain goats.² Javelina.³ Buffalo.⁴ Bear and mountain lions.⁵ Bear.

TABLE 95.—Soil and moisture conservation program accomplishments, 1960

Type of Project	Unit of measurement	Area 1			Area 2				Area 3				Total
		Calif- ornia	Oregon	Wash- ington	Arizona	Idaho	Nevada	Utah ¹	Colorado	Montana	New Mexico	Wyoming	
General programming	Surveys.....	338, 470	941, 386	-----	212, 500	453, 355	5, 371, 782	990, 679	473, 557	17, 970	75, 530	274, 208	9, 149, 437
	Watershed plans.....	4	4	-----	-----	-----	5	3	4	3	5	3	31
	Watershed plans.....	661, 254	623, 166	-----	-----	-----	2, 802, 124	481, 370	949, 016	681, 393	4, 091, 738	737, 815	11, 027, 926
Soil stabilization and im- provement	Brush control.....	4, 350	3, 736	-----	12, 810	11, 800	6, 410	-----	7, 818	1, 195	10, 606	2, 830	61, 555
	Cheeks.....	-----	19	-----	9	-----	76	2, 043	389	7	5, 032	-----	2, 467
	Pitting and furrowing.....	-----	40	-----	500	752	-----	-----	2, 750	-----	9, 387	-----	8, 650
	Deep tillage.....	do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10, 087
	Dune control.....	-----	28	-----	-----	-----	-----	79	7	6	28	36	28
	Fencing.....	13	33	8	30	52	113	-----	61, 000	-----	948	-----	405
	Pest control.....	-----	6, 000	-----	-----	-----	7, 600	7, 500	-----	-----	-----	-----	83, 048
	Seeding.....	3, 940	8, 139	110	8, 770	5, 419	43, 443	12, 374	4, 229	3, 270	6, 313	1, 400	96, 027
	Tree planting.....	Number.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1, 400
	Weed control.....	Acre.....	-----	-----	-----	1, 000	-----	-----	-----	-----	-----	20	20
Water management	-----	do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1, 000
	Detentions.....	Number.....	12	-----	2	2	-----	4	-----	1	15	8	44
	Detentions.....	Cu. yd.....	18, 132	-----	61, 911	4, 000	-----	3, 680	-----	42, 185	298, 780	180, 594	609, 282
	Dikes.....	Lin. ft.....	-----	-----	57, 165	-----	1, 838	-----	9, 508	-----	282, 158	-----	350, 669
	Dikes.....	Cu. yd.....	-----	-----	160, 236	-----	1, 021	-----	9, 508	-----	177, 585	-----	348, 350
	Diversions.....	Number.....	-----	-----	-----	-----	2	-----	4	-----	30	-----	36
	Diversions.....	Cu. yd.....	-----	-----	-----	-----	-----	4, 165	27, 183	-----	42, 275	-----	73, 024
	Pipelines.....	Lin. ft.....	-----	-----	-----	-----	-----	32, 680	30, 784	-----	-----	-----	63, 464
	Reservoirs.....	Number.....	17	72	-----	25	25	3	19	2	6	62	280
	Reservoirs.....	Cu. yd.....	19, 916	83, 968	11	18, 530	18, 530	22, 400	81, 800	254, 010	7, 987	22, 431	679, 492
Program facilities	Springs.....	3	23	-----	3, 120	18	360	2	36	2, 712	-----	2	101
	Waterspreading.....	-----	2, 040	-----	-----	-----	-----	1	-----	-----	-----	-----	11, 719
	Water storage facilities.....	Number.....	-----	-----	-----	-----	-----	19, 000	-----	-----	-----	-----	19, 000
	Water storage facilities.....	Gallon.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	19, 000
	Wells.....	Number.....	4	-----	-----	6	7	3	3	-----	-----	8	31
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Boundary posting.....	Mile.....	-----	-----	-----	-----	-----	-----	48	1	-----	-----	49
	Cattleguards.....	Number.....	-----	-----	-----	10	1	8	-----	1	2	-----	22
	Corrals.....	do.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	1
	Study plots.....	do.....	3	2	-----	-----	-----	7	1	2	1	8	24
Truck trails.....	Mile.....	-----	127	-----	-----	7	-----	15	4	-----	-----	198	
Stock trails.....	do.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	

¹ Includes Bureau of Reclamation.

TABLE 96.—Range improvement program accomplishments, 1960

Type of project	Unit of measure- ment	Area 1			Area 2				Area 3				Total
		California	Oregon	Washing- ton	Arizona	Idaho	Nevada	Utah	Colorado	Montana	New Mexico	Wyoming	
General programing													
Surveys.....	Acre.....									7,807	1,570		9,377
Soil stabilization and improvement													
Brush control.....	do.....		275		9,600	500		20	160		4,276	3,100	17,931
Pitting and furrowing.....	do.....										1,200		1,200
Fencing.....	Mile.....	68	92	4	138	44	231	36	42	75	53	106	889
Pest control.....	Acre.....			200		165		60,720		38,303	128,080		237,103
Seeding.....	do.....							228	1,381		340		2,314
Weed control.....	do.....								1,500		5,988		7,488
Water management													
Diversions.....	Number.....										11		11
Pipelines.....	Cu. yd.....										10,216		10,216
Pipelines.....	Ln. ft.....	73,698					143,510						217,208
Reservoirs.....	Number.....	33	57		9	20	4	57	17	56		29	282
Reservoirs.....	Cu. yd.....	37,228	59,582		24,239	25,000	280	68,150	29,686	242,140		44,165	530,470
Springs.....	Number.....	6	14	3		14	9	10	6	5		5	72
Water storage facilities.....	do.....	1	1		1	1							2
Water storage facilities.....	Gallon.....	8,400				100,000							108,400
Wells.....	Number.....	4	5		1	3	10	3	1	2		2	31
Program facilities													
Boundary posting.....	Mile.....						173	220					393
Cattleguards.....	Number.....	7	9		12	11	6	4	1	2	25	3	80
Corrals.....	do.....		1									1	2
Predator control.....	Project.....					1					3		4
Study plots.....	Number.....		2					1	2				5
Truck trails.....	Mile.....		681			125		3	9				818
Stock trails.....	do.....		1			15	2		1				18

TABLE 97.—Weed control program accomplishments, 1960

Type of project	Unit of meas- urement	Area 1		Area 2			Area 3				Total
		California	Oregon	Idaho	Nevada	Utah	Colorado	Montana	New Mex- ico	Wyoming	
General programing											
Surveys.....	Acre.....	950	1,170,000	26,750	200,250	246,012		58,398	500	25,000	1,727,860
Soil stabilization and improvement											
Brush control.....	Acre.....			5,330	2,000	2,400					9,730
Pitting and furrowing.....	do.....			260				218			218
Dune control.....	do.....			45	37	37					260
Fencing.....	Mile.....	6		27,890	6,200	4,990	5	2		25	157
Seeding.....	Acre.....	1,200		1,690	865	593					40,280
Weed control.....	do.....	1,063	2,230				3,013	33			9,487
Water management											
Dikes.....	Lin. ft.....					8,231				19,000	27,231
Dikes.....	Cu. yd.....					25,863				38,189	64,052
Pipelines.....	Lin. ft.....					1,029					1,029
Reservoirs.....	Number.....					1		1			3
Reservoirs.....	Cu. yd.....					5,000		5,200		1,000	11,200
Waterspreading.....	Acre.....									160	160
Wells.....	Number.....			1				2		1	4
Program facilities											
Cattleguards.....	Number.....			11		2				1	14
Corrals.....	do.....									1	1
Truck trails.....	Mile.....					18					18

TABLE 98.—Weed control program accomplishments, 1952 through 1960

Type of project	Unit of measurement	Area 1			Area 2				Area 3				Total
		California	Oregon	Arizona	Idaho	Nevada	Utah	Colorado	Montana	New Mexico	Wyoming		
General programing													
Surveys.....	Acre.....	6, 923, 950	6, 691, 000	5, 390, 000	3, 575, 144	1, 374, 906	7, 301, 615	1, 314, 060	825, 998	280, 500	8, 791, 378	42, 408, 551	
Soil stabilization and improvement													
Brush control.....	Acre.....		220		11, 318	32, 369	31, 515					75, 422	
Checks.....	Number.....						100					100	
Pitting and furrowing.....	Acre.....				1, 161		550	633	253		5, 637	6, 523	
Deep tillage.....	do.....				1, 821							1, 711	
Dune control.....	do.....		2		370	413	849	23	15		106	1, 823	
Fencing.....	Mile.....	11	60		37, 834		77, 821					1, 847	
Pest control.....	Acre.....				253, 191	193, 712	85, 681	1, 759	140		3, 084	115, 655	
Seeding.....	do.....	1, 963	22, 208								2	2	
Tree planting.....	Number.....										200	200	
Tree planting.....	Acre.....			120	16, 477	55, 009	45, 374	19, 972	983	640	35, 964	193, 499	
Weed control.....	do.....	10, 649	8, 311									31	
Water management													
Detentions.....	Number.....					20	1				10	31	
Detentions.....	Cu. yd.....					10, 000	58, 188				140, 077	208, 265	
Dikes.....	Ltn. ft.....						220, 535				380, 378	600, 913	
Dikes.....	Cu. yd.....						268, 671				370, 163	638, 834	
Diversions.....	Number.....										14	14	
Diversions.....	Cu. yd.....										9, 244	9, 244	
Pipelines.....	Ltn. ft.....						12, 079					12, 079	
Reservoirs.....	Number.....		1		2		5		1		1	10	
Reservoirs.....	Cu. yd.....		7, 000		1, 100		14, 450		5, 200		1, 000	28, 750	
Springs.....	Number.....						3				3	3	
Waterspreading.....	Acre.....						3, 081				3, 865	6, 946	
Wells.....	Number.....				1				2		1	4	
Program facilities													
Boundary posting.....	Mile.....				5							5	
Cartleguards.....	Number.....				44	8	47				4	103	
Corrals.....	do.....							1			1	1	
Study plots.....	do.....						2		5		2	9	
Truck trails.....	Mile.....	21			10	16	32				1	80	

TABLE 99.—*Private range improvements constructed on public lands, 1960*

Type of project	Unit of meas- urement	Area 1	Area 2				Area 3				Total
		Washing- ton	Arizona	Idaho	Nevada	Utah	Colorado	Montana	New Mexico	Wyoming	
Soil stabilization and improvement											
Brush control.....	Acre.....			23		14	16		92	1,430	
Fencing.....	Mile.....	1	48					80	64	119	
Seeding.....	Acre.....				13	920				250	
Water management											
Dikes.....	Lin. ft.....							7,036			
Dikes.....	Cu. yd.....							8,535			
Diversion.....	Number.....								7	1	
Diversion.....	Cu. yd.....								8,400	1,200	
Pipelines.....	Lin. ft.....		70,849		900				67,584		
Reservoirs.....	Number.....		93	3	11	15	11	26	92	32	
Reservoirs.....	Cu. yd.....		377,966	3,000	50,300	6,000	17,300	95,508	291,708	96,520	
Springs.....	Number.....		7			4		11	1	23	
Water storage facilities.....	do.....		13		5					2	
Water storage facilities.....	Gallon.....		24,200		15,000				20,000	600	
Water storage facilities.....	Number.....		22		1				10	6	
Wells.....											
Program facilities											
Bridges.....	Number.....				1					1	
Cattleguards.....	do.....			2			1			3	
Corrals.....	do.....		23	1	13				4	43	
Truck trails.....	Mile.....		25							25	

NOTE.—Includes projects constructed with private, non-Government funds under secs. 4 and 15 of the Taylor Grazing Act.

TABLE 100.—Total conservation and improvement accomplishments, 1960

Type of project	Unit of measurement	Area 1			Area 2				Area 3				Total
		California	Oregon	Wash- ington	Arizona	Idaho	Nevada	Utah	Colorado	Montana	New Mexico	Wyoming	
General programming													
Surveys.....	Acre.....	339,420	2,111,386		212,500	480,105	5,572,032	1,236,691	473,557	84,175	77,600	299,208	10,886,674
Watershed Plans.....	Number.....	4	4				5	3	4	3	5	3	31
Watershed Plans.....	Acre.....	661,254	623,166				2,802,124	481,370	949,016	681,393	4,091,788	737,815	11,027,926
Soil stabilization and improvement													
Brush control.....	Acre.....	4,350	4,011		22,410	17,630	8,410	2,420	7,978	1,195	14,974	7,360	90,738
Checks.....	Number.....		19		9		76	2,043	2,750	7			2,467
Pitting and furrowing.....	Acre.....		40			752				218	6,232		10,068
Deep tillage.....	do.....				500						9,587		10,087
Dune control.....	do.....		28			260							288
Fencing.....	Mile.....	87	125	13	216	164	393	166	70	162	145	285	1,826
Pest control.....	Acre.....		6,000				17,600	68,220	61,000	38,303	129,028	250	320,151
Seeding.....	do.....	5,140	8,159	310	8,770	33,474	49,643	18,512	5,610	3,270	6,656	1,400	139,794
Tree planting.....	Number.....												1,400
Tree control.....	Acre.....				1,000	1,690	865	593	4,513	33	5,988	20	17,975
Weed control.....	do.....	1,063	2,230										20
Water management													
Detentions.....	Number.....		12		2	2		4					44
Detentions.....	Cu. yd.....		18,132		61,911	4,000		3,680		42,185	298,780	180,594	609,282
Dikes.....	Lin. ft.....				57,165		1,838	8,231	9,508	7,086	282,158	19,000	384,936
Dikes.....	Cu. yd.....				160,236		1,021	25,863	9,508	8,535	177,585	38,189	420,937
Diversions.....	Number.....						2		4		48		55
Diversions.....	Cu. yd.....						4,166		27,183		60,891	1,200	93,440
Pipelines.....	Lin. ft.....	73,698			70,849		177,090	31,813			67,584		421,034
Reservoirs.....	Number.....	50	129		102	48	18	92	82	85	98	124	828
Reservoirs.....	Cu. yd.....	57,144	143,550		402,205	46,530	72,980	100,950	300,996	350,835	314,139	310,135	2,159,464
Springs.....	Number.....	9	37	14	7	32	9	22	42	16	1	7	196
Waterspreading.....	Acre.....		2,040		3,120		360		3,485	2,712		160	11,879
Water Storage facilities.....	Number.....	1			13	1	5	1			1	2	24
Water Storage facilities.....	Gallon.....	8,400			24,200	100,000	15,000	19,000			20,000	600	187,200
Wells.....	Number.....	4	9		23	10	18	7	4	4	10	17	106
Program facilities													
Bridges.....	Number.....						1						1
Boundary posting.....	Mile.....						173	220	48	1			442
Cattleguards.....	Number.....	7	9		12	34	7	14	2	3	27	4	119
Corrals.....	do.....		1		23	2	13					4	47
Predator control.....	Project.....					1					3		4
Study plots.....	Number.....	3	4					8	3	2	1	8	29
Telephone lines.....	Mile.....											2	2
Truck trails.....	do.....		808		25	132		36	54	4			1,059
Stock trails.....	do.....	1	1			15	2						19

TABLE 101.—*Public land investigation and classification, Missouri River Basin Project, as of June 30, 1960*

Unit	Public domain in subbasin or unit	Land classified	Detail report published
	<i>Acres</i>	<i>Acres</i>	<i>Date</i>
Angostura (Upper Cheyenne).....	264, 271	264, 271	April 1957.
Bad River.....	8, 770	8, 770	February 1949.
Belle Fourche.....	176, 927	176, 927	November 1957.
Big Dry.....	900, 337	61, 244	
Big Horn Basin.....	3, 681, 971	3, 681, 971	March 1953.
Cannonball River.....	905	905	May 1948.
Grand River.....	16, 098	16, 098	January 1948.
Great Divide Basin.....	1, 893, 174	1, 893, 174	
Heart River.....	742	742	January 1948.
Kansas River.....	3, 823	3, 823	June 1948.
Knife River.....	676	676	January 1948.
Little Missouri.....	573, 857	573, 857	May 1959.
Lower Cheyenne.....	102, 944	102, 944	August 1953.
Lower Marias.....	225, 892	225, 892	March 1953.
Lower Missouri.....	2, 800	2, 800	
Lower Platte.....	18, 525	18, 525	March 1948.
Lower Yellowstone.....	190, 106	190, 106	May 1958.
Milk River.....	1, 972, 818	1, 972, 818	March 1960.
Missouri-Souris, Montana.....	28, 246	28, 246	November 1952.
Missouri-Souris, North Dakota.....	21, 255	21, 255	August 1951.
Montana Pumping.....	164, 000	7, 080	
Moreau River.....	89, 092	89, 092	February 1954.
Musselshell.....	278, 715	3, 280	
Niobrara Basin.....	8, 850	8, 850	April 1951.
North Dakota Pumping.....	16, 422	16, 422	August 1951.
North Platte.....	3, 647, 290	3, 247, 290	(¹)
Oahe Unit.....	3, 817	3, 817	February 1949.
Power River.....	1, 830, 953	1, 830, 953	June 1956.
South Dakota Pumping.....	5, 952	5, 952	February 1949.
South Platte.....	148, 083	148, 083	September 1953.
Sun River-Teton.....	206, 008	206, 008	March 1954.
Tongue River.....	201, 200	6, 000	
Upper Missouri.....	1, 026, 405	1, 026, 405	June 1954.
Upper and Middle Yellowstone.....	630, 367	-----	
White River.....	1, 879	1, 879	April 1951.
Wind River Basin.....	1, 272, 943	1, 272, 943	July 1949.
Total.....	19, 616, 013	17, 119, 098	

¹ Detailed classification of 521,494 acres published as land planning and classification report, Glendo Area, Wyoming, October 1951. Work is in progress in the balance of the area.

PART 8

RESOURCE PROTECTION—FIRE AND TRESPASS

As a part of its resource management responsibilities, the Bureau of Land Management protects a total of 402,735,645 acres from fire (Tables 112 and 113). Of this total 5,614,383 acres were protected through contracts with other State or Federal agencies, and the remaining 397,121,262 acres were protected by Bureau of Land Management employees (T. 112 and 113) during the fiscal year 1960.

During the 1959 calendar year, 876,887 acres of forest, brush, and grassland under Bureau of Land Management jurisdiction were burned (T. 102). The acreage protected by contract had a total of 185 fires (T. 103), which burned 22,411 acres (T. 102). The total cost of contract protection was \$996,034 (T. 112). The lands protected by the Bureau of Land Management employees had a total of 790 fires (T. 103), which burned 854,476 acres (T. 102). The cost of suppressing these fires was \$3,890,744 (T. 113).

Damage to timber and reproduction stock from fires on Bureau of Land Management lands in calendar year 1959 was \$1,086,388; to forage and watershed, \$2,616,193; to wildlife and from loss of recreation values, \$1,066,646, bringing total damage during the calendar year 1959 to \$4,769,227 (T. 104).

DEFINITION OF TERMS

Contract fire protection:

Fire protection rendered through formal contracts with other agencies or organizations for the complete job of fire protection on lands owned, leased, or controlled by the United States which are administered by the Bureau of Land Management.

Force account fire protection:

Fire protection given lands owned, leased, or controlled by the United States and administered by the Bureau of Land Management, on which complete fire protection is extended through the use of fire protection forces and facilities supervised and operated by the Bureau of Land Management.

Fire presuppression:

Fire control activities related to the organization, training, instruction, and management of the fire control organization, and with the inspection and maintenance of fire control improvements, equipment, and supplies to insure effective fire suppression.

Fire suppression:

Fire control activities concerned with controlling and extinguishing a fire, starting with the time the fire is discovered.

Trespass:

An unauthorized use of Federal lands and/or resources.

TABLE 102.—Area burned by fires on lands administered by the Bureau of Land Management, calendar year 1959

Area	State	Lands under force account protection					Lands under contract protection				Total area burned
		Forest	Brush	Grass	Other	Total	Forest	Brush	Grass	Total	
1	California.....	Acres 21	Acres 10,415	Acres 6	Acres 23	Acres 10,465	Acres 3,460	Acres 15,028	Acres 755	Acres 19,243	Acres 29,708
	Oregon 1.....	495	—	—	—	495	—	—	—	—	495
	Oregon 2.....	5,178	18,243	40,163	11	63,595	538	—	—	538	64,133
	Washington.....	—	—	—	—	—	4	—	—	4	—
	Total Area 1.....	5,694	28,658	40,169	34	74,555	4,002	15,028	755	19,785	94,340
2	Arizona.....	2,244	4,105	18,401	—	24,750	—	—	—	—	24,750
	Idaho.....	4,227	32,826	38,686	30	75,769	514	1	1,760	2,275	78,044
	Nevada.....	32,613	48,658	5,376	600	87,247	—	—	—	—	87,247
	Utah.....	1,369	705	113	—	2,187	—	—	—	—	2,187
	Total Area 2.....	40,453	86,294	62,576	630	189,953	514	1	1,760	2,275	192,228
3	Colorado.....	303	179	22	—	504	—	—	—	—	504
	Montana.....	135	76	284	—	495	5	—	2	7	502
	New Mexico.....	345	—	26	—	371	344	—	—	344	715
	Wyoming.....	122	345	540	—	1,007	—	—	—	—	1,007
	South Dakota.....	906	—	—	—	906	—	—	—	—	906
4	Total Area 3.....	1,961	600	872	0	3,433	349	0	2	351	3,784
	Alaska.....	417,594	25,456	8,112	135,373	586,535	—	—	—	—	586,535
	Grand total.....	465,702	141,008	111,729	136,037	854,476	4,865	15,029	2,517	22,411	876,887

1 O&C lands.

2 Public domain lands.

TABLE 103.—Fires on lands administered by the Bureau of Land Management, calendar year 1959

Area	State	Number of fires, by classes 1						Number of fires by causes 2						Total number of fires	
		A	B	C	D	E	LI	OF	S	DB	I	LU	RR		MI
1	Force account protection	22	6	4		3	29	2	1	1			1	1	35
		38	20	10	3	19	70	2	4	7	1		1	5	90
		60	26	14	3	22	99	4	5	8	1		2	6	125
2	Arizona	5	3	6	4	14	26		3		2			1	32
		6	17	18	12	16	25			4	7		2	23	69
		35	35	21	10	23	74	9	23	3	5	7		10	124
		22	15	18	3	2	44	2	3	2	2			7	60
3	Total Area 2	68	70	63	29	55	169	12	36	9	16		2	41	285
		29	35	10	1		57	2	9				1	2	75
		5	4	4	1	1	9	1	1				4	4	15
		7	2	1		1	4	1	2		1		3	3	11
4	Total Area 3	2	2	3		2	3	2		2				2	9
		43	43	18	2	4	73	6	12	6	1		1	11	110
		29	95	49	27	70	200	29	8	9	12			12	270
5	Total force account protection	200	234	144	61	151	541	51	61	32	30		5	70	790
6	Contract protection	42	42	16	3	2	13	4	27	12	15	3	2	29	105
		4	4	2		3	5	1	3		1		1	2	13
		32	12	2	4	1	27	5	4			8		3	47
		4	2				5	1							6
7	Total Area 1	82	60	20	3	6	50	11	34	12	16	11	3	34	171
		6					3		3						6
8	Total Area 2														
		3	3				1	1						4	6
						1	1							1	2
		4	3			1	2	1						5	8
9	Total contract protection	92	63	20	3	7	55	12	37	12	16	11	3	39	185
10	Grand total	292	297	164	64	158	596	63	98	44	46	11	8	109	975

1 Fires which burned: A, 0.25 acres or less; B, more than 0.25 but less than 10 acres; C, more than 10 but less than 100 acres; D, more than 100 but less than 300 acres; E, 300 and more.

2 LI, lightning; CF, campfires; S, smokers; DB, debris burning; I, incendiary; LU, lumbering; RR, railroad; MI, miscellaneous.

3 Public domain lands.

4 O&C lands.

TABLE 104.—*Value of damage caused by fires on lands administered by the Bureau of Land Management, calendar year 1959*

Area	State and type of protection	Timber	Reproduction	Forage	Watershed	Wildlife	Recreation	Total
1	Force-account protection							
	California.....	\$10,716	\$19,400	\$261 29,971	\$9,881 62,071	----- \$22,930	----- \$1,270	\$10,142 146,358
	Total Area 1.....	10,716	19,400	30,232	71,952	22,930	1,270	156,500
2	Arizona.....	76	100	20,387	20,741	382	170	41,856
	Idaho.....	1,190	76,820	68,538	718,475	6,835	-----	871,888
	Nevada.....	13,312	289	26,657	323,287	1,620	700	366,886
3	Utah.....	5,501	1,410	1,179	16,259	618	40	25,007
	Total Area 2.....	20,109	78,619	116,761	1,078,762	9,455	910	1,304,616
4	Colorado.....	2,729	1,387	318	2,449	561	367	7,811
	Montana.....	164	5	136	286	15	-----	606
	New Mexico.....	-----	-----	61	136	28	-----	225
5	Wyoming.....	314	245	292	849	491	25	2,216
	South Dakota.....	20,065	-----	-----	137,210	340	8,770	166,385
	Total Area 3.....	23,272	1,637	807	140,930	1,435	9,162	177,243
6	Alaska.....	839,813	18,285	571,482	579,928	581,253	439,604	3,030,365
	Total force account protection.....	893,910	117,941	719,282	1,871,572	615,073	450,946	4,668,724
7	Contract protection							
	California.....	28,960	26,744	2,435	21,899	427	-----	80,465
	Oregon 1.....	842	65	85	283	100	-----	1,475
8	Oregon 2.....	350	9,950	-----	59	-----	100	10,359
	Total Area 1.....	30,152	36,759	2,520	22,241	527	100	92,299
9	Idaho.....	693	6,933	578	-----	-----	-----	8,204
	Total contract protection.....	30,845	43,692	3,098	22,241	527	100	100,503
	Grand total.....	924,755	161,633	722,380	1,893,813	615,000	451,046	4,769,227

¹ Public domain lands.² O&C lands.

TABLE 105.—*Fires in Alaska suppressed by the Bureau of Land Management, 1960*

Cause	Fires	Area burned		
		Public domain	Private land	Total
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Campfires.....	52	52,168.2	3.6	52,171.8
Debris burners.....	37	168.3	1,162.4	1,330.7
Incendiary.....	11	16.6	2.5	19.1
Lightning.....	36	130,115.2	33.5	130,148.7
Smokers.....	19	1,199	33.3	1,232.3
Railroad.....	3		338.6	338.6
Miscellaneous.....	21	257	2,243.1	2,500.1
Total.....	179	183,924.3	3,817.0	187,741.3

TABLE 106.—*Fires on O&C Lands, 1960*

Cause	Fires	Area burned	Cause	Fires	Area burned
	<i>Number</i>	<i>Acres</i>		<i>Number</i>	<i>Acres</i>
Campers.....	6	24	Smokers.....	9	92
Debris burning.....	5	355	Other.....	7	242
Incendiary.....	1	172			
Lightning.....	27	452	Total.....	69	1,489
Lumbering.....	14	152			

NOTE.—These data include fires on Coos Bay Wagon Road reconveyed lands.

TABLE 107.—*Trespass operations, 1960*

Type of case	Area 1				Area 2				Area 3				Area 4	Eastern States Land Office	Total
	California	Oregon		Washington	Arizona	Idaho	Nevada	Utah	Colorado	Montana	New Mexico	Wyoming	Alaska		
		O&C	Public domain												
Agriculture:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	4	6	3	—	3	—	—	2	1	1	2	2	—	—	24
New cases 1960	—	—	1	10	2	9	—	2	—	17	10	—	—	—	51
Cases closed 1960	—	6	3	5	5	7	—	—	1	16	10	2	—	—	57
Pending June 30, 1960	3	—	1	8	—	2	—	3	—	2	2	—	—	—	21
Fire:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	4	16	2	—	—	—	2	—	1	—	—	—	—	—	25
New cases 1960	4	11	8	—	—	—	6	2	—	—	—	—	—	—	31
Cases closed 1960	—	13	5	—	—	—	5	2	1	—	—	—	—	—	26
Pending June 30, 1960	8	14	5	—	—	—	3	—	—	—	—	—	—	—	30
Grazing:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	—	6	36	—	3	16	5	24	5	5	—	15	—	—	115
New cases 1960	2	—	31	—	8	21	8	39	34	11	16	12	—	—	182
Cases closed 1960	2	5	30	—	10	13	10	45	32	13	16	16	—	—	192
Pending June 30, 1960	—	1	37	—	1	24	3	18	7	3	—	11	—	—	105
Material:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	—	—	1	—	—	—	—	3	1	1	—	—	2	—	8
New cases 1960	2	—	—	—	1	—	—	2	1	1	5	—	1	—	12
Cases closed 1960	2	—	—	—	—	—	—	1	1	—	4	—	2	—	10
Pending June 30, 1960	—	—	1	—	1	—	—	4	1	1	2	—	1	—	10
Mineral:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	6	—	—	—	2	1	2	2	2	2	5	—	—	—	20
New cases 1960	47	—	—	—	1	2	—	—	3	—	5	—	—	—	58
Cases closed 1960	1	—	—	—	2	1	—	—	—	—	6	—	—	—	10
Pending June 30, 1960	52	—	—	—	1	2	2	2	5	—	4	—	—	—	68
Occupancy:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	50	6	1	1	17	8	11	1	25	6	13	2	3	1	145
New cases 1960	58	4	—	—	16	1	5	1	10	—	14	—	11	2	122
Cases closed 1960	34	4	1	—	19	8	15	—	20	4	26	—	4	3	138
Pending June 30, 1960	74	6	—	1	14	1	1	2	15	2	1	2	10	—	129
Rights-of-way:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Pending July 1, 1959	6	8	—	—	2	—	—	—	2	—	7	—	—	—	16
New cases 1960	3	36	—	2	1	—	—	—	2	—	2	—	—	—	50
Cases closed 1960	3	17	—	1	1	—	—	3	2	—	5	—	—	—	26
Pending June 30, 1960	6	27	—	1	1	—	—	40	—	—	—	—	—	—	40

TABLE 108.—*Public domain timber cut in trespass, 1960*¹

Area	State	Number of trespasses	Volume of timber cut			Value of non-timber forest products	Total value
			Saw timber	Other	Total volume		
1	California.....	49	<i>M bd. ft.</i> 6,357	<i>M bd. ft.</i> 4	<i>M bd. ft.</i> 6,361	\$509	\$91,588
	Oregon.....	24	1,805	-----	1,805	-----	41,007
	Washington.....	23	886	-----	886	-----	16,012
	Total Area 1.....	96	9,048	4	9,052	509	148,607
2	Arizona.....	2	52	-----	52	-----	250
	Idaho.....	1	-----	-----	-----	352	352
	Nevada.....	2	-----	1	1	11	42
	Total Area 2.....	5	52	1	53	363	644
3	Colorado.....	8	796	40	836	-----	3,500
	Montana.....	10	750	-----	750	86	8,901
	New Mexico.....	2	-----	1	1	-----	20
	Wyoming.....	1	2	-----	2	-----	27
	Total Area 3.....	21	1,548	41	1,589	86	12,448
4	Alaska.....	5	68	9	77	-----	589
	Grand total.....	127	10,716	55	10,771	958	162,288

¹ Excludes O&C timber trespass data.TABLE 109.—*O&C timber cut in trespass, 1960*

Species	Volume ¹	Value ²	Species	Volume ¹	Value ²
	<i>M bd. ft.</i>			<i>M bd. ft.</i>	
Cedar, incense.....	60.0	\$472.55	Fir, white.....	93.9	\$1,197.67
Cedar, port orford.....	6.0	129.00	Hemlock, western.....	62.0	488.79
Cedar, western red.....	32.0	285.20	Pine, ponderosa.....	100.0	2,513.93
Douglas fir.....	2,960.8	³ 73,540.07	Pine, sugar.....	30.9	859.80
			Hardwood, miscellaneous	34.0	136.00
			Total.....	3,379.6	79,623.01

¹ Total number of trespass cases involved, 115.² Market value of stumpage.³ Value includes 0.6 acre Douglas fir reproduction not listed in volume column.

NOTE.—Includes volume and value of 7 trespass cases on Coos Bay Wagon Road lands: 234 M board feet, \$6,002.62.

PART 9

ADMINISTRATION, FINANCE AND PERSONNEL

During the fiscal year 1960, the Bureau obligated \$35,505,099 appropriated by Congress or transferred to it from other agencies (Table 110).

Gross receipts from the sale and management of public lands and resources during the same period totaled \$311,067,867. Sources of these receipts were: \$324,018,288, from mineral leasing, including \$229,456,819 from bonuses, rents and royalties on the Outer Continental Shelf; \$36,359,337 from the sale of timber, \$33,828,162 of which came from O&C timber sales; \$5,101,297 from the sale of public lands; \$3,487,992 from grazing leases, licenses, and permits; \$1,798,817 in fees and commissions; \$169,263 in rights-of-way leases, and \$132,873 from all other sources (T. 114, and T. 123).

Receipts for the fiscal year 1960 were allocated as follows: \$51,841,376 to 27 States, of which \$16,258,579 went to the 18 western Oregon O&C counties; \$51,576,949 to the Reclamation Fund; \$263,320,382 went into the General Fund of the Treasury; \$3,104,522 to other Government agencies; \$361,568 to Indian Trust funds and \$863,070 for range improvements (T. 114, T. 123 and T. 124).

During the calendar year 1959 the average number of employees in the Bureau of Land Management totaled 2,777 persons. Included in this number were 387 seasonal employees which amounted to 13.8 per cent. Permanent employees made up 86.1 per cent of the total or 2,390 persons (Table 132). As shown in table 133, 82.2 per cent of the total number were in career or career-conditional service (T. 133). A classification by general type of work and number of persons as of October 31, 1959, showed the following: (1) Administrative and clerical, 900; (2) Professional and sub-professional, 1,658; (3) Managerial, 29; and (4) Ungraded, 165. (T. 131).

DEFINITIONS OF TERMS

Allocation of receipts:

Determination of monies paid, or to be paid, to other funds, counties or states out of receipts collected during the fiscal year reported, as required and/or specified by law.

Geological Survey receipts:

Receipts collected by the Geological Survey in the U.S. Department of the Interior for mineral and petroleum rentals and royalties paid under the terms of leases, licenses, and permits initially issued by the Bureau of Land Management. These receipts are subsequently deposited with the Bureau of Land Management by the Geological Survey.

Non-operating revenue:

Receipts of a miscellaneous nature, such as incidental receipts from taxes, fines, etc., which are not related specifically to or received in the process of conducting normal and regular business of the Bureau of Land Management as it pertains to the management of public lands and resources.

Obligations:

Payments, and amounts which the Government is obligated to pay for goods and services received or contracted for future delivery made from appropriations during the fiscal year indicated.

Receipts:

All monies received and credited to the proper account as required by law. Does not include collections held by the U.S. Treasury pending future determination of disposition by the Bureau of Land Management.

Reclamation fund:

A designated fund to which a portion of certain Federal receipts are allocated according to the law, and which may subsequently be used specially for land reclamation purposes when so appropriated by Congress.

Rental:

The amount paid periodically (usually annually) by the holder of a lease in payment for the right to use of the land or resources for the purposes set out in the lease.

Transferred funds:

Appropriated funds which have been made available to the Bureau of Land Management from appropriations originally made to other Bureaus and Agencies.

TABLE 110.—*Obligations incurred, 1960*

Appropriation title	Amount obligated	Appropriation title	Amount obligated
Appropriations made to the Bureau of Land Management		Appropriations transferred from other bureaus and agencies to the Bureau of Land Management	
Management of lands and resources ..	\$28,522,444	Construction and rehabilitation.....	\$201,244
Range improvements on public lands (receipt limitation)	886,817	Control of forest pests.....	60,620
Leasing of grazing lands.....	730	Watershed protection.....	31,708
Construction of O&C timber access roads (reimbursable from counties' share of proceeds of timber sales)	5,801,536	Subtotal.....	293,572
Subtotal.....	35,211,527	Grand total.....	35,505,099

TABLE 111.—*Expenditures for land surveys, 1960*

Area	State	Source of funds			Total
		Bureau of Land Management	Other agencies	Private contributions	
1	California.....	\$202,469	\$20,233	-----	\$222,702
	Oregon.....	262,956	1,393	-----	264,349
	Washington.....	7,183	-----	-----	7,183
	Total Area 1.....	472,608	21,626	-----	494,234
2	Arizona.....	130,080	¹ 30,916	² \$15,004	176,000
	Idaho.....	87,141	³ 984	⁴ 1,190	89,315
	Nevada.....	138,781	-----	⁴ 1,427	140,208
	Utah.....	236,724	⁵ 3,650	⁴ 1,429	241,803
	Total Area 2.....	592,726	35,550	19,050	647,326
3	Colorado.....	122,477	-----	⁶ 8,600	131,077
	Montana.....	76,520	-----	-----	76,520
	Nebraska.....	-----	⁷ 57,203	-----	57,203
	New Mexico.....	81,110	⁸ 1,127	-----	82,237
	North Dakota.....	-----	54,564	-----	54,564
	South Dakota.....	-----	-----	-----	-----
	Wyoming.....	53,560	-----	-----	53,560
4	Total Area 3.....	333,667	112,894	8,600	455,161
	Alaska.....	1,092,470	11,625	12,460	1,116,555
	Eastern States Office.....	31,654	-----	-----	31,654
	Grand total.....	2,523,125	181,695	40,110	2,744,930

¹ Bureau of Reclamation, \$25,967; Forest Service, \$4,949.² Applied mineral survey deposits, \$12,764; private contributions (sodium lease) \$2,240.³ Forest Service.⁴ Applied mineral survey deposits.⁵ Bureau of Reclamation.⁶ Funds received from California Company for surveys in Ute Mountain Indian Reservation, Colo.⁷ Includes \$3,500 received from Bureau of Reclamation Red Willow Unit construction funds.⁸ Includes \$750 from Bureau of Indian Affairs; \$377 from U.S. attorney, Albuquerque, N. Mex.

TABLE 112.—*Area and fire protection costs for public lands protected by contract, 1960*

Area	State and protection agency	Area protected	Protection cost/acre	Total cost of protection
1	California:	<i>Acres</i>	<i>Cents</i>	
	Forest Service.....	68,999	22.0	\$15,180
	State of California.....	1,694,375	23.6	400,081
	Total California.....	1,763,374	23.5	415,261
	Oregon:			
	Forest Service (O&C lands).....	174,428	14.89	25,969
	Forest Service (public domain lands).....	43,783	7.85	3,440
	State of Oregon (O&C lands).....	1,971,265	19.68	387,894
	State of Oregon (public domain lands).....	577,625	11.54	66,684
	Total Oregon.....	2,767,101	17.49	483,987
	Washington:			
	Forest Service.....	53,900	7.12	3,839
	State of Washington.....	227,588	13.65	31,061
	Total Washington.....	281,488	12.40	34,900
	Total Area 1.....	4,811,963	19.41	934,148
2	Idaho:			
	Forest Service.....	169,213	15.84	26,787
	State of Idaho and associations.....	314,963	4.11	12,981
	Total Idaho.....	484,176	8.21	39,768
3	Total Area 2.....	484,176	8.21	39,768
	Montana:			
	Forest Service.....	85,010	5.856	4,979
	State of Montana.....	134,005	9.500	12,730
	Total Montana.....	219,015	8.086	17,709
	New Mexico:			
	Forest Service.....	27,610	.030	828
	Total Area 3.....	246,625	7.516	18,537
	Eastern States Office:			
	State of Minnesota.....	71,619	5.000	3,581
	Total Eastern States Office.....	71,619	5.000	3,581
	Grand Total.....	5,614,383	11.69	996,034
	Recapitulation			
	Total Forest Service.....	622,943	10.94	81,022
	Total States and associations.....	4,991,440	12.44	915,012
	Grand total.....	5,614,383	11.69	996,034

TABLE 113.—Area and cost of protection of public lands by the Bureau of Land Management exclusive of contract protection, 1960

Area	State	Area protected	Protection cost/acre	Total cost of protection		
				Presuppression	Suppression	Total
1	California.....	<i>Acres</i> 14,216,790	<i>Cents</i> .75	\$5,462	\$100,581	\$106,043
	Oregon.....	12,704,644	3.07	45,110	345,960	391,070
	Washington.....	87,244		0	0	0
	Total Area 1.....	27,008,678	1.84	50,572	446,541	497,113
2	Arizona.....	13,060,805	.31	12,550	26,945	39,495
	Idaho.....	11,689,144	4.96	61,855	518,189	580,044
	Nevada.....	47,360,725	.45	48,970	164,188	213,158
	Utah.....	24,314,267	.25	14,125	46,284	60,409
	Total Area 2.....	96,424,941	.93	137,500	755,606	893,106
3	Colorado.....	8,383,316	1.97	6,094	158,762	164,856
	Kansas.....	1,431				
	Montana.....	8,124,614	.24	7,773	11,795	19,568
	Nebraska.....	10,105				
	New Mexico.....	14,149,917	.22	2,982	28,128	31,110
	North Dakota.....	83,937				
	South Dakota.....	285,485	52.56	50	150,000	150,050
	Oklahoma.....	35,603				
	Wyoming.....	17,612,235	.11	13,198	6,296	19,494
	Total Area 3.....	48,687,643	.79	30,097	354,981	385,078
4	Alaska.....	225,000,000	.0094	636,374	1,479,073	2,115,447
	Grand total.....	397,120,262	.98	854,543	3,036,201	3,890,744

TABLE 114.—Statement of receipts by source, 1960

Area	State	Mineral leases and permits	Sales of timber	Sales of land	Grazing leases, licenses, and permits			All other receipts				Total
					Sec. 3	Sec. 15	Other	Fees and commis- sions	Rights- of-way	Rent of land	Other sources	
1	California.....	\$7, 019, 584	\$560, 710	\$1, 334, 130	\$75, 400	\$93, 320	\$655	\$100, 201	\$15, 702	\$22, 869	\$4, 863	\$9, 827, 434
	Oregon.....	149, 846	34, 866, 196	25, 355	226, 242	24, 121	1, 039	4, 254	3, 267	1, 331	3, 450	35, 305, 101
	Washington.....	1, 447	263, 754	89, 314		9, 034		1, 318	1, 991	658	1, 306	368, 822
	Total Area 1.....	7, 770, 877	35, 690, 660	1, 448, 799	301, 642	126, 475	1, 694	105, 773	20, 960	24, 858	9, 619	45, 501, 357
2	Arizona.....	678, 260	965	1, 370, 378	174, 133	49, 204	9, 564	49, 466	14, 181	(2, 184)	185	2, 344, 152
	Idaho.....	237, 313	232, 225	93, 290	277, 812	14, 914	348	11, 820	10, 771	1, 105	1, 289	880, 887
	Nevada.....	435, 266	20, 683	765, 972	507, 056	13, 868	2, 431	57, 886	24, 647	9, 182	385	1, 837, 376
	Utah.....	7, 280, 527	23, 990	62, 525	353, 948		872	218, 462	8, 576	4, 706	223	7, 953, 829
3	Total Area 2.....	8, 631, 366	277, 863	2, 292, 165	1, 312, 949	77, 986	13, 215	337, 634	58, 175	12, 809	2, 082	13, 016, 244
	Colorado.....	9, 234, 534	107, 671	595, 394	162, 522	23, 318		196, 215	4, 861	3, 366	3, 954	10, 331, 835
	Kansas.....	360, 015				25		645		15		360, 700
	Montana.....	4, 997, 529	133, 219	56, 099	195, 000	41, 369	301, 005	55, 636	4, 366	525	378	5, 785, 156
4	Nebraska.....	49, 912				24		198				49, 134
	New Mexico.....	20, 742, 900	26, 940	188, 599	396, 157	14, 167	9, 570	506, 037	40, 941	4, 739	493	21, 939, 493
	North Dakota.....	773, 302		7, 119		2, 877		12, 082	209			801, 589
	Oklahoma.....	212, 646	100	10, 632		735		9, 930	20	98		234, 121
Total Area 3.....	South Dakota.....	320, 278		6, 354		20, 090		6, 954	45	135		353, 956
	Texas.....	105, 372						3, 025				108, 397
	Wyoming.....	33, 339, 365	32, 045	148, 820	360, 411	112, 200	6, 783	418, 512	10, 661	1, 592	725	34, 431, 054
	Alaska.....	70, 141, 793	299, 975	1, 012, 947	1, 114, 090	214, 895	317, 358	1, 210, 254	70, 118	10, 455	5, 550	74, 397, 435
Total Area 4.....	Eastern States Office:	3, 097, 710	61, 811	252, 923			7, 088	99, 608	9, 050	30, 928	13, 890	3, 573, 608
	Alabama.....	8, 395		11, 906				710				21, 011
	Arkansas.....	146, 037	114	2, 669				7, 340	2, 755			158, 915
	Florida.....	8, 905		54, 266				360	87	6, 167		69, 785
Total Area 4.....	Georgia.....	2, 066						60	150			2, 276
	Illinois.....	10, 814						170	40			11, 024
	Indiana.....	928						280				1, 208
	Iowa.....							10				10
Total Area 4.....	Kentucky.....	728, 183						870	55			729, 108
	Louisiana.....	2, 917, 371		5, 141				5, 365	7, 474	25	202	2, 935, 578
	Maine.....	60						10	35			105
	Maryland.....	12, 907						30				12, 937

Michigan	32,434	1,080				1,670		137	35,321
Minnesota	7,340	7,332				440		145	44,189
Mississippi	763,686	4,531				14,826		91	784,372
Missouri	36,604	137				1,195		10	37,946
New Hampshire						10			10
New York						85			130
North Carolina	992					155			1,197
Ohio	5,976					105			6,081
Pennsylvania	122					10			142
South Carolina									85
Tennessee	4,303					105			4,423
Vermont	490								490
Virginia	16,520					250			16,790
West Virginia	214,437					665			215,102
Wisconsin	1,153	7,401				52		21	8,647
Washington, D. C.	229,456,819					10,775			229,467,594
Total Eastern States	234,376,542	94,463				45,548	10,960	7,733	234,564,476
Total operating revenue	324,018,288	2 5,101,297	2,728,681	419,356	339,955	1,798,817	169,263	86,783	371,053,120
Nonoperating revenue									14,747
Grand Total	324,018,288	5,101,297	2,728,681	419,356	339,955	1,798,817	169,263	86,783	371,067,867

¹ Includes O&C lands, \$32,517,157, and Coos Bay Wagon Road lands, \$1,311,005; Reclamation lands, Oregon, \$11,906 and Idaho, \$10,661.

² Includes Reclamation townlots, California, \$481; Oregon, \$130; Montana, \$60; and Wyoming, \$460. Sales of Indian lands, Wyoming, \$164.

TABLE 115.—*Trespass collection, 1960*

Area	State	Type of trespass										Total	
		Timber		Grazing		Occupancy		Agriculture		Other			
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
1	California.....	34	\$28,363.98	2	\$138.00	12	\$1,137.66	1	\$878.00	2	1 \$4,042.83	51	\$34,560.47
	Oregon ¹	148	127,410.00	27	1,893.00	4	119.00	2	90.00	35	3 13,238.00	216	142,750.00
	Washington.....	26	6,442.91					4	1,306.00			30	7,748.91
	Total Area 1.....	208	162,216.89	29	2,031.00	16	1,256.66	7	2,274.00	37	17,280.83	297	185,059.38
2	Arizona.....												
	Idaho.....			8	11,781.61	6	174.20			1	4 1,961.14	15	13,916.95
	Nevada.....	9	1,464.76	31	2,742.78			5	2,021.45	3	4 2,668.77	48	8,897.76
	Utah.....			7	984.50	11	2,317.00	3	4,337.00	7	4 4,311.89	28	7,316.39
				25	1,628.80			1	168.75	6	6 2,299.95	32	4,097.50
	Total Area 2.....	9	1,464.76	71	17,137.69	17	2,142.80	9	6,527.20	17	11,241.75	123	34,228.60
3	Colorado.....												
	Montana.....	7	3,329.90	33	2,603.71	4	89.15			1	331.50	45	6,354.26
	New Mexico.....	13	5,348.14	13	490.00	1	25.00	18	2,754.76	1	175.00	46	8,792.90
	Wyoming.....	2	20.10	16	3,895.97	11	2,104.50	1	300.00	7	7 9,046.14	37	15,366.71
		1	27.20	17	604.00							18	631.20
	Total Area 3.....	23	8,725.34	79	7,593.68	16	2,218.65	19	3,054.76	9	9,552.64	146	31,145.07
4	Alaska.....												
		6	1,123.20			1	85.19			1	1,110.98	8	2,319.37
	Eastern States Office: Minnesota.....												
	Grand total.....	246	173,530.19	179	26,762.37	52	1,507.70	35	11,855.96	64	39,186.20	576	252,842.42

¹ Includes 1 fire trespass, \$3,902.83; 1 right-of-way trespass, \$140.² 154 O & C lands, \$39,780; 53 public domain lands, \$34,824; does not reflect a refund of \$3,037 for 1 O & C slash fire trespass. The original collection was included in 1959 fiscal year report, and refund made in August 1959.³ 8 O & C fire trespass, \$1,786; 22 O & C right-of-way trespass, \$3,821; 1 Coos Bay Wagon Road fire trespass, \$6,963; 1 Coos Bay Wagon Road right-of-way trespass, \$243; 3 public domain fire trespass, \$425.⁴ Fire trespass.⁵ Fund adjustment due to error in deposit.⁶ 3 fire trespass, \$1,013.56; 3 sand and gravel trespass, \$1,286.40.⁷ 1 right-of-way trespass, \$20; 1 small tract trespass, \$10; 5 materials trespass, \$9,016.14.

TABLE 116.—Receipts from the disposition of public lands and resources, May 20, 1785 to June 30, 1960¹

Fiscal year	Source					
	Sales of public lands	Sales of timber	Fees and commissions	Mineral leases ²	Outer Continental Shelf leases	Miscellaneous
May 20, 1785 to June 30, 1880						
1881-1890	\$76,923,581		\$13,471,437			\$208,059,657
1891-1900	21,312,020		9,152,920			8,873,661
1901-1910	94,777,706		16,074,789			33,492,526
1911-1920	27,940,144		17,731,586			13,242,241
1921-1930	6,734,345	\$767,589	7,173,853			23,800,948
1931-1940	1,334,320	4,289,226	9,344,753			67,023,267
1941-1946	894,513	8,800,421	1,933,101			104,454,108
1947	148,409	3,033,279	171,362	\$76,371,588		5,813,130
1948	252,099	4,674,182	151,448	44,002,550		11,457,439
1949	476,148	3,911,381	255,102	13,121,741		2,937,363
1950	456,259	4,291,791	397,800	24,351,080		3,535,675
1951	518,979	7,774,351	374,112	28,971,166		37,149,344
1952	690,491	9,554,214	828,184	26,971,135		4,000,304
1953	1,024,829	13,811,724	828,184	34,950,716		5,464,174
1954	1,218,240	13,419,604	498,820	44,583,604		11,361,903
1955	1,925,976	24,950,023	593,109	43,532,459		8,037,931
1956	2,288,457	24,915,081	735,387	52,489,927		9,766,886
1957	3,427,299	21,448,666	842,664	59,961,245	\$142,404,630	9,570,871
1958	3,029,294	24,646,613	1,014,871	61,585,999	53,787,971	11,360,465
1959	4,299,231	31,750,800	1,184,352	72,284,751	2,208,703	11,675,068
1960	5,100,002	36,359,337	1,265,544	81,354,939	3,460,851	13,708,649
			1,798,817	83,533,828	3,412,205	12,519,203
				84,091,454	229,456,819	14,261,438
Total 1947-1960	24,795,713	224,541,706	9,951,662	711,083,994	\$ 434,731,179	1,527,121,521
Grand total	224,682,351	245,936,342	72,857,101	882,850,859	434,731,179	2,263,766,674

¹ Includes the collections of the General Land Office and its predecessor organizations (1785-1946), the Grazing Service (1934-1946), and the Bureau of Land Management (1947-1960). For annual data 1881-1946, see BLM reports for 1946 and 1958.

² Act of Feb. 23, 1920 (41 Stat. 437, 36 U.S.C. 181 *et seq.*).

³ Excludes \$312,033,415 deposited in the Outer Continental Shelf escrow accounts pending Supreme Court decision.

⁴ Budget 1889, includes all receipts from sale or lease of public lands and resources. After 1889 includes sales of Indian lands, grazing revenues, rental of land, mineral leasing under special laws, and other miscellaneous sources.

TABLE 117.—*Geological Survey receipts deposited to Bureau of Land Management accounts, 1960*

Area	State	Oil and gas	Coal	Phosphate	Potash	Sodium	Other	Total
1	California.....	\$6,374,863			\$948,713	\$11,612	\$80	\$7,235,273
	Oregon.....		\$269					269
	Washington.....		500					500
	Total Area 1.....	6,374,863	769		848,713	11,612	80	7,236,042
2	Arizona.....							67
	Idaho.....			\$67				158,558
	Nevada.....	5,972		158,558				5,972
	Utah.....	2,077,619	348,816	847				2,427,282
	Total Area 2.....	2,083,591	348,816	159,472				2,591,879
3	Colorado.....	5,802,809	107,812		632	2,054		6,003,307
	Kansas.....	326,538						326,538
	Montana.....	3,141,641	7,446	123,713				3,272,800
	Nebraska.....	2,017						2,017
	New Mexico.....	14,556,344	3,826					17,679,419
	North Dakota.....	299,513	30,401		3,119,249	800		330,714
	Oklahoma.....	65,721	55,996					122,455
	South Dakota.....	1,882					738	1,882
	Texas.....	87,895						87,895
	Wyoming.....	26,044,423	77,787	538		157,166		26,279,914
	Total Area 3.....	50,418,783	283,283	124,251	3,119,881	160,020	738	54,106,941
4	Alaska.....		90,415					90,415
	Eastern States Office:							
	Alabama.....	2,748						2,748
	Arkansas.....	815					587	1,402
	Florida.....						718	718
	Georgia.....						1,487	1,487
	Illinois.....		1,448				7,968	9,416
	Indiana.....	77						77
	Kentucky.....	17,297					267	19,026
	Louisiana.....	2,528,562	1,462				22,128	2,550,600
	Maryland.....	11,378						11,378
	Michigan.....	28,104						28,104
	Mississippi.....	468,955					46	469,031
	Missouri.....	711					103	814
	North Carolina.....						389	389
	Ohio.....	5,525						5,525
	Pennsylvania.....	122	278					5,129
	Tennessee.....							
	Virginia.....						3,953	3,953
	West Virginia.....	156,549					8,327	160,673
	District of Columbia.....	3,324,814	2,433				1,691	3,324,814
	Total, Eastern States Office.....	6,545,637	5,621				46,964	6,598,272
Grand total.....		65,422,929	728,889	283,723	3,963,591	171,632	47,782	70,623,549

TABLE 118.—Receipts from mineral leases, licenses, and permits on public domain lands, 1960

Area	State	Oil and gas	Coal	Phosphate	Potash	Sodium	Other	Total
1	California.....	\$6,726,698			\$848,713	\$43,360	\$80	\$7,618,791
	Oregon.....	144,439	\$269					144,708
	Washington.....	947	500					1,447
	Total Area 1.....	6,872,024	769		848,713	43,360	80	7,764,946
2	Arizona.....	676,029		\$127			2,103	678,259
	Idaho.....	71,629		165,574			10	237,213
	Nevada.....	430,316					4,780	435,096
	Utah.....	6,909,224	353,066	6,743	10,655			7,279,698
3	Total Area 2.....	8,087,208	353,066	172,444	10,655		6,893	8,630,266
	Colorado.....	9,063,185	111,952		632	2,054		9,177,823
	Kansas.....	355,165						355,165
	Montana.....	4,688,108	10,946	130,221				4,829,275
	Nebraska.....	21,707						21,707
	New Mexico.....	17,604,374	3,636					20,736,401
	North Dakota.....	290,850	30,462		3,128,091	800		322,112
	Oklahoma.....	142,630	60,663				738	204,031
	South Dakota.....	272,185						272,185
	Texas.....	63,917	923					84,840
	Wyoming.....	32,908,989	82,254	538		294,211		33,285,992
	Total Area 3.....	65,401,110	300,836	130,759	3,128,723	297,065	738	69,259,231
4	Alaska.....	3,006,228	91,482					3,097,710
	Eastern States Office:							
	Alabama.....	5,512						5,512
	Arkansas.....	62,097						62,097
	Florida.....	364						364
	Kentucky.....	725,966						725,966
	Louisiana.....	1,735,261						1,735,261
	Michigan.....	1,635						1,635
	Mississippi.....	17,753						17,753
	Total Eastern States Office.....	2,548,588						2,548,588
	Grand total.....	85,915,158	746,153	303,203	3,988,091	340,425	7,711	91,300,741

TABLE 119.—*Receipts from mineral leases and permits on acquired lands, 1960*¹

Area	State	Oil and gas	Coal	Other	Total
1	California.....	\$793			\$793
	Oregon.....	4,037		\$1,101	5,138
	Total Area 1.....	4,830		1,101	5,931
2	Idaho.....			100	100
	Nevada.....			170	170
	Utah.....	371		459	830
	Total Area 2.....	371		729	1,100
3	Colorado.....	56,712			56,712
	Kansas.....	4,850			4,850
	Montana.....	167,866		388	168,254
	Nebraska.....	28,205			28,205
	New Mexico.....	5,948		851	6,799
	North Dakota.....	486,201		989	487,190
	Oklahoma.....	8,614			8,614
	South Dakota.....	48,093			48,093
	Texas.....	20,531			20,531
	Wyoming.....	53,314			53,314
	Total Area 3.....	880,334		2,228	882,562
	Eastern States Office:				
	Alabama.....	2,883			2,883
	Arkansas.....	82,282		1,657	83,939
	Florida.....	7,405		1,136	8,541
	Georgia.....			2,067	2,067
	Illinois.....	504	\$1,463	8,847	10,814
	Indiana.....	928			928
	Kentucky.....	489	1,462	267	2,218
	Louisiana.....	1,159,258		22,852	1,182,110
	Maine.....	20		40	60
	Maryland.....	12,907			12,907
	Michigan.....	30,679		120	30,799
	Minnesota.....	1,249		6,091	7,340
	Mississippi.....	745,887		46	745,933
	Missouri.....	1,567		35,037	36,604
	North Carolina.....			992	992
	Ohio.....	5,697	278		5,975
	Pennsylvania.....	122			122
	Tennessee.....			4,303	4,303
	Vermont.....			490	490
	Virginia.....	6,547		9,973	16,520
	West Virginia.....	210,313	2,433	1,691	214,437
	Wisconsin.....	326		827	1,153
	Total Eastern States Office.....	2,269,063	5,636	96,436	2,371,135
	Grand total.....	3,154,598	5,636	100,494	3,260,728

¹ Under the Act of Aug. 7, 1947 (61 Stat. 913).

TABLE 120.—Receipts under the Mineral Leasing Act, February 25, 1920 to June 30, 1960 ¹

Area	State	Fiscal year			Total
		1920-1958	1959	1960	
1	California.....	\$150,551,407	\$7,551,980	\$6,498,875	\$164,602,262
	Oregon.....	614,996	38,110	144,708	797,814
	Washington.....	182,312	1,275	1,447	185,034
	Total Area 1.....	151,348,715	7,591,365	6,645,030	165,585,110
2	Arizona.....	1,911,900	413,180	676,157	3,001,237
	Idaho.....	2,333,154	296,179	237,203	2,866,566
	Nevada.....	7,222,918	400,318	427,739	8,050,975
	Utah.....	35,116,520	6,908,104	7,268,335	49,292,959
	Total Area 2.....	46,584,522	8,017,781	8,609,434	63,211,737
3	Colorado.....	85,543,435	9,689,636	9,154,007	104,387,078
	Kansas.....	1,109,007	228,184	322,317	1,659,508
	Montana.....	30,453,777	4,693,518	4,586,482	39,733,777
	Nebraska.....	153,858	14,685	17,695	186,238
	New Mexico.....	99,115,036	14,787,417	17,603,124	131,505,577
	North Dakota.....	2,108,927	210,540	220,316	2,539,783
	Oklahoma.....	571,195	73,180	100,646	745,021
	South Dakota.....	1,769,399	152,931	272,010	2,194,340
	Wyoming.....	288,640,302	32,015,444	33,165,394	353,821,140
	Total Area 3.....	509,464,936	61,865,535	65,441,991	636,772,462
4	Alaska.....	5,661,897	5,702,639	3,064,989	14,429,525
	Eastern States Office:				
	Alabama.....	240,536	2,861	2,156	245,553
	Arkansas.....	115,718	75,587	61,878	253,183
	Florida.....	6,106		364	6,470
	Illinois.....	142			142
	Indiana.....		160		160
	Louisiana.....	2,143,237	269,718	257,557	2,670,512
	Michigan.....	62,110	2,255	1,588	65,953
	Mississippi.....	47,717	5,927	6,467	60,111
	Total Eastern States Office.....	2,615,566	356,508	330,010	3,302,084
	Grand total.....	715,675,636	83,533,828	² 84,091,454	883,300,918

¹ Act of Feb. 25, 1920 (41 Stat. 437, 30 U.S.C. 181 *et seq.*). These figures are not adjusted for refunds and other corrections.

² Potash receipts not included; from oil and gas, \$82,795,982; coal \$651,844; phosphate, \$303,203; and sodium, \$340,425.

TABLE 121.—Receipts under miscellaneous mineral leasing acts, 1960

Area	State	Oil and gas acts	Acquired lands acts ¹	Other acts	Total
1	California.....	\$271, 203	\$793	² \$848, 713	\$1, 120, 709
	Oregon.....		5, 138		5, 138
	Total Area 1.....	271, 203	5, 931	848, 713	1, 125, 847
2	Arizona.....	2 102	100		2, 202
	Idaho.....	10			10
	Nevada.....	3, 957	170	³ 3, 400	7, 527
	Utah.....	708	830	² 10, 655	12, 193
	Total Area 2.....	6, 777	1, 100	14, 055	21, 932
3	Colorado.....	23, 184	56, 712	² 632	80, 528
	Kansas.....	32, 848	4, 850		37, 698
	Montana.....	242, 793	108, 254		411, 047
	Nebraska.....	4, 012	28, 205		32, 217
	New Mexico.....	4, 886	6, 799	² 3, 128, 091	3, 139, 776
	North Dakota.....	71, 796	487, 190		558, 986
	Oklahoma.....	⁴ 42, 722	8, 614	⁵ 60, 663	111, 999
	South Dakota.....	175	48, 093		48, 268
	Texas.....	84, 840	20, 531	⁶ 29, 406, 116	29, 511, 487
	Wyoming.....	120, 597	53, 314		173, 911
	Total Area 3.....	627, 853	882, 562	32, 595, 502	34, 105, 917
4	Alaska.....			⁷ 32, 722	32, 722
	Eastern States Office:				
	Alabama.....	3, 356	2, 883		6, 239
	Arkansas.....	220	83, 939		84, 159
	Florida.....		8, 541		8, 541
	Georgia.....		2, 067		2, 067
	Illinois.....		10, 814		10, 814
	Indiana.....		928		928
	Kentucky.....	725, 965	2, 218		728, 183
	Louisiana.....	1, 477, 704	1, 182, 110	⁶ 200, 050, 703	202, 710, 517
	Maine.....		60		60
	Maryland.....		12, 907		12, 907
	Michigan.....	47	30, 799		30, 846
	Minnesota.....		7, 340		7, 340
	Mississippi.....	11, 286	745, 933		757, 219
	Missouri.....		36, 604		36, 604
	North Carolina.....		992		992
	Ohio.....		5, 975		5, 975
	Pennsylvania.....		122		122
	Tennessee.....		4, 303		4, 303
	Vermont.....		490		490
	Virginia.....		16, 520		16, 520
	West Virginia.....		214, 437		214, 437
	Wisconsin.....		1, 153		1, 153
	Total, Eastern States Office.....	2, 218, 578	2, 371, 135	200, 050, 703	204, 640, 416
	Grand total.....	3, 124, 411	3, 260, 728	233, 541, 695	239, 926, 834

¹ Act of Aug. 7, 1947 (61 Stat. 913).² Potash Leasing Acts.³ Silica Sand Leasing Act.⁴ Includes \$29,332 from south half of Red River.⁵ Former Choctaw-Chickasaw Indian lands (coal).⁶ Outer Continental Shelf.⁷ Alaska coal.

TABLE 122.—*Legal allocation of Bureau of Land Management receipts, 1960*

Source of receipts	Authority	Disposition of receipts			
		Indian trust funds	States and counties	Other funds	
				General	Reclamation
Mineral leases and permits:		<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Mineral Leasing Act.....	Act of February 25, 1920.....		¹ 37.5	¹ 10.0	¹ 52.5
Potash.....	Acts of February 7, 1927, and June 1, 1948.....		37.5	10.0	52.5
Coal (Alaska).....	Act of July 10, 1957.....		90.0	10.0	
Red River oil and gas lands.....	Act of June 12, 1926.....	62.5	37.5		
Acquired lands ²	Act of August 7, 1947.....				
Outer Continental Shelf lands.....	Act of August 7, 1953.....			100.0	
LU lands.....	Executive Order 10787, Nov. 6, 1958.....		25.0	75.0	
Sales of timber:					
Oregon and California Grant Lands.....	Act of August 28, 1937.....		³ 75.0	25.0	
Coos Bay Grant Lands.....	Act of May 24, 1939.....		⁴ 75.0	25.0	
Reclamation lands.....	Act of July 19, 1919.....				100.0
Public lands in "Reclamation States".....	Act of June 17, 1902.....		5.0		95.0
Public lands in other States.....	Various acts.....		5.0	95.0	
LU lands.....	Executive Order 10787, Nov. 6, 1958.....		25.0	75.0	
Sales of land:					
Public lands in "Reclamation States".....	Act of June 17, 1902.....		⁵ 5.0		95.0
Public lands in other States.....	Various acts.....		⁵ 5.0	⁶ 95.0	
Reclamation lands.....	Act of April 16, 1906 et al.....				100.0
Indian lands.....	Various acts.....	100.0			
Grazing:					
Taylor Act grazing leases:					
Ceded Indian lands.....	Act of June 28, 1934.....	100.0			
Public lands.....	do.....		50.0	⁶ 50.0	
Indian lands.....	Various acts.....	100.0			
Taylor Act grazing districts:					
Ceded Indian lands.....	Act of August 6, 1947.....	66.7	33.3		
Leased lands.....	Act of June 23, 1938.....			100.0	
Public lands.....	Act of August 6, 1947.....		⁷ 12.5	⁷ 87.5	
Reserved lands ²	Various acts.....				
Indian lands.....	do.....	100.0			
LU lands.....	Executive Order 10787, Nov. 6, 1958.....		25.0	⁸ 75.0	
All other receipts.....	Various acts.....			100.0	

¹ Except in Alaska where 90 percent is distributed to the state and 10 percent to the General Fund.

² Revenues from mineral and grazing activities with the exception of range improvement fees are transferred to and distributed by the agency having jurisdiction over the surface of the lands.

³ One-third of this amount is for access roads and reforestation, the counties receiving at least 50 percent of the gross receipts.

⁴ Available for payments to counties in lieu of taxes. Any surplus after each 10-year period is covered into the General Fund of the Treasury.

⁵ Distribution made after deduction for reimbursable expenses.

⁶ One-half of this amount is made available for range improvements.

⁷ Distribution made after deduction of 25 percent of gross receipts which is made available for range improvements.

⁸ One-third of this amount is made available for range improvement.

TABLE 123.—Allocation of Bureau of Land Management receipts, 1960

Source of receipts	Indian trust funds	Reclamation fund	States and counties	Other funds	Total
Mineral leases and permits.....	\$354,307	\$44,653,734	\$34,722,100	\$14,831,328	¹ \$94,561,469
Outer Continental Shelf leases.....				229,456,819	229,456,819
Sales of public land.....		4,562,511	204,000	333,491	5,100,002
Sales of public timber.....		2,342,718	100,344	88,113	² 2,531,175
Fees and commissions.....				1,798,817	1,798,817
O&C lands.....			16,258,579	16,258,578	³ 32,517,157
Coos Bay Wagon Road lands.....				1,311,005	1,311,005
Grazing leases.....			209,678	209,678	⁴ 419,356
Grazing district fees.....	1,841		257,131	2,469,709	⁴ 2,728,681
Rights-of-way.....		1,187	437	167,639	169,263
Sales of reclamation lands.....		1,131			1,131
Sales of Indian lands.....	164				164
Miscellaneous leases and permits.....	5,256	15,668	89,107	316,708	⁴ 426,739
Nonoperating revenue.....				14,747	14,747
Other.....				31,342	31,342
Total.....	361,568	51,576,949	51,841,376	267,287,974	371,067,867

¹ Includes acquired lands, \$3,260,728; and transferred lands, \$3,221,196.² Includes reclamation timber, \$22,567.³ Includes transfers from Forest Service, \$4,306,626.⁴ Includes \$863,070 for range improvement fund and \$765 from Pierce Act leased lands.

TABLE 124.—Allocation of Bureau of Land Management receipts to States and counties, 1960

Area	State	Sales of public lands and timber	Mineral leases and permits	Taylor grazing leases	Taylor grazing districts	Total
1	California.....	\$75,774	\$2,755,388	\$46,660	\$7,100	\$2,884,922
	Oregon.....	42,054	54,266	12,061	21,211	¹ 16,388,170
	Washington.....	14,123	500	4,517		19,140
	Total Area 1.....	131,951	2,810,154	63,238	28,311	19,292,232
2	Arizona.....	54,854	253,559	24,602	17,130	350,145
	Idaho.....	12,594	88,951	7,457	25,924	134,926
	Nevada.....	31,466	160,402	6,934	48,181	246,983
	Utah.....	3,461	2,729,621		33,258	2,766,340
	Total Area 2.....	102,375	3,232,533	38,993	124,493	3,498,394
3	Colorado.....	28,122	3,432,990	11,659	15,132	3,487,903
	Kansas.....		120,869	12		120,881
	Montana.....	7,570	1,761,994	20,700	18,281	² 1,884,049
	Nebraska.....		6,636	12		6,648
	New Mexico.....	8,619	7,774,844	7,083	37,210	² 7,829,908
	North Dakota.....	285	82,618	1,438		84,341
	Oklahoma.....	425	48,742	398		49,565
	South Dakota.....	258	102,004	10,045		112,307
	Wyoming.....	7,210	12,437,023	56,100	33,704	12,534,037
	Total Area 3.....	52,489	25,767,720	107,447	104,327	26,109,639
4	Alaska.....	12,589	2,787,939			³ 2,812,417
	Eastern States Office:					
	Alabama.....	476	808			1,284
	Arkansas.....	111	23,204			23,315
	Florida.....	2,171	57			2,228
	Louisiana.....	206	96,664			96,870
	Michigan.....	43	596			639
	Minnesota.....	1,450				1,450
	Mississippi.....	181	2,425			2,606
	Missouri.....	6				6
	Wisconsin.....	296				296
	Total, Eastern States Office.....	4,940	123,754			128,694
	Grand total.....	304,344	34,722,100	209,678	257,131	51,841,376

¹ Includes \$16,258,579 on account of O&C.² Includes under Executive Order 10787 of Nov. 6, 1958, Montana \$75,503 and New Mexico \$2,152 from grazing and rights-of-way.³ Includes \$11,888 for Alaska school lands.

TABLE 125.—*Allocations to States out of receipts from sales of public lands, March 3, 1803 to June 30, 1960*

Area	State	Fiscal year			Total
		1803-1958	1959	1960	
1	California.....	\$1,379,757	\$65,229	\$75,774	\$1,520,760
	Oregon.....	983,839	55,406	42,054	1,081,299
	Washington.....	522,594	11,652	14,123	548,369
	Total area 1.....	2,886,190	132,287	131,951	3,150,428
2	Arizona.....	103,845	33,445	54,854	192,144
	Idaho.....	391,353	14,011	12,594	417,958
	Nevada.....	114,165	27,166	31,466	172,797
	Utah.....	211,002	4,639	3,461	219,102
	Total area 2.....	820,365	79,261	102,375	1,002,001
3	Colorado.....	581,019	11,509	28,122	620,650
	Kansas.....	1,128,528			1,128,528
	Montana.....	641,349	6,104	7,570	655,023
	Nebraska.....	579,991	78		580,069
	New Mexico.....	184,906	10,950	8,619	204,475
	North Dakota.....	542,527	152	285	542,964
	Oklahoma.....	69,238	2,666	425	72,329
	South Dakota.....	355,103	318	258	355,679
	Wyoming.....	351,129	4,109	7,210	362,448
	Total area 3.....	4,433,790	35,886	52,489	4,522,165
4	Alaska.....		9,673	12,589	22,262
	Eastern States Office:				
	Alabama.....	1,104,390	1,849	476	1,106,715
	Arkansas.....	384,298	1,811	111	386,220
	Florida.....	215,024	6,996	2,171	224,191
	Illinois.....	1,187,973			1,187,973
	Indiana.....	1,040,312	2		1,040,314
	Iowa.....	633,660			633,660
	Louisiana.....	474,883	2,237	206	477,326
	Michigan.....	593,367	298	43	593,708
	Minnesota.....	599,852	1,197	1,450	602,499
	Mississippi.....	1,077,785	1,998	181	1,079,964
	Missouri.....	1,061,420	8	6	1,061,434
	Ohio.....	999,353			999,353
	Wisconsin.....	592,288	336	296	592,920
	Total Eastern States Office.....	9,964,605	16,732	4,940	9,986,277
	Grand total.....	18,104,950	273,839	304,344	18,683,133

NOTE.—Each public land State receives 5 percent of the net proceeds of the sale of public land and materials within its boundaries to be used for public education, roads, and public improvements.

TABLE 126.—*Allocations to States from mineral leasing acts receipts, February 25, 1920 to June 30, 1960*

Area	State	Fiscal year			Total
		1920-1958	1959	1960	
1	California.....	\$56,502,771	\$3,122,823	\$2,755,388	\$62,380,982
	Oregon.....	230,943	14,292	54,266	299,501
	Washington.....	65,121	478	500	66,099
	Total Area 1.....	56,798,835	3,137,593	2,810,154	62,746,582
2	Arizona.....	716,764	154,943	253,559	1,125,266
	Idaho.....	874,937	111,067	88,951	1,074,955
	Nevada.....	2,708,594	170,119	160,402	3,019,115
	Utah.....	13,169,279	2,591,991	2,729,621	18,490,891
	Total Area 2.....	17,469,574	3,008,120	3,232,533	23,710,227
3	Colorado.....	32,082,388	3,634,028	3,432,990	39,149,406
	Kansas.....	415,872	85,569	120,869	622,310
	Montana.....	11,432,067	1,781,358	¹ 1,761,994	14,975,419
	Nebraska.....	57,697	5,507	6,636	69,840
	New Mexico.....	46,167,933	6,619,357	² 7,774,844	60,562,134
	North Dakota.....	791,227	78,953	82,618	952,798
	Oklahoma.....	228,963	³ 46,075	⁴ 48,742	323,780
	South Dakota.....	662,910	57,349	102,004	822,263
	Wyoming.....	107,678,878	12,005,792	12,437,023	132,121,693
	Total Area 3.....	199,517,935	24,313,988	25,767,720	249,599,643
4	Alaska.....	4,135,435	5,213,689	⁵ 2,787,939	12,137,063
	Eastern States Office:				
	Alabama.....	90,201	1,073	808	92,082
	Arkansas.....	43,395	28,345	23,204	94,944
	Florida.....	2,290		57	2,347
	Illinois.....	53	60		113
	Louisiana.....	803,551	101,144	96,664	1,001,359
	Michigan.....	23,292	846	596	24,734
	Mississippi.....	17,894	2,222	2,425	22,541
	Total Eastern States Office.....	980,676	133,690	123,754	1,238,120
	Grand total.....	278,902,455	35,807,080	34,722,100	349,431,635

¹ Included under Executive Order of Nov. 6, 1958, Montana, \$42,064.² Included under Executive Order of Nov. 6, 1958, New Mexico, \$638.³ Includes \$18,632 for south half of Red River.⁴ Includes \$11,000 for south half of Red River.⁵ Includes \$82,334 for coal.NOTE.—The acts of Feb. 25, 1920 (41 Stat. 437, 30 U.S.C. 181 *et seq.*), Oct. 2, 1917 (40 Stat. 297), and Feb. 7, 1927 (44 Stat. 1057, 30 U.S.C. 281 *et seq.*).

TABLE 127.—*Allocations to States from Taylor Grazing Act, section 3 receipts, June 28, 1934 to June 30, 1960*¹

Area	State	Fiscal year			Total
		1934-1958	1959	1960	
1	California.....	\$169,522	\$6,935	\$7,100	\$183,557
	Oregon.....	456,635	20,819	21,211	498,665
	Total Area 1.....	626,157	27,754	28,311	682,222
2	Arizona.....	290,482	13,105	17,130	320,717
	Idaho.....	599,281	24,361	25,924	649,566
	Nevada.....	999,126	55,585	48,181	1,102,892
	Utah.....	1,050,337	32,403	33,258	1,115,998
	Total Area 2.....	2,939,226	125,454	124,493	3,189,173
3	Colorado.....	374,674	14,939	15,132	404,745
	Montana.....	359,999	18,621	18,281	396,901
	New Mexico.....	888,528	34,945	37,210	960,683
	Wyoming.....	820,907	34,208	33,704	888,819
	Total Area 3.....	2,444,108	102,713	104,327	2,651,148
	Grand total.....	6,009,491	255,921	257,131	6,522,553

¹ The act of June 28, 1934 (48 Stat. 1269, 43 U.S.C. 315), as amended.

TABLE 128.—*Allocations to States from Taylor Grazing Act, Section 15 receipts June 28, 1934 to June 30, 1960*¹

Area	State	Fiscal year			Total
		1934-1958	1959	1960	
1	California.....	\$381,515	\$36,540	\$46,660	\$464,715
	Oregon.....	100,089	9,818	12,061	121,968
	Washington.....	63,454	4,387	4,517	72,358
	Total Area 1.....	545,058	50,745	63,238	659,041
2	Arizona.....	324,572	18,473	24,602	367,647
	Idaho.....	99,159	7,010	7,457	113,626
	Nevada.....	28,486	5,772	6,934	41,192
	Total Area 2.....	452,217	31,255	38,993	522,465
3	Colorado.....	146,033	9,036	11,659	166,728
	Kansas.....	255	12	12	279
	Montana.....	333,373	20,788	20,700	374,861
	Nebraska.....	3,976	54	12	4,042
	New Mexico.....	98,153	5,131	7,083	110,367
	North Dakota.....	15,156	1,540	1,438	18,134
	Oklahoma.....	2,574	158	398	3,130
	South Dakota.....	77,554	8,033	10,045	95,632
	Wyoming.....	1,006,902	50,182	56,100	1,113,244
	Total Area 3.....	1,684,036	94,934	107,447	1,886,417
	Eastern States Office:				
	Arkansas.....	358			358
	Louisiana.....	43			43
	Minnesota.....	45			45
	Mississippi.....	5			5
	Total Eastern States Office.....	451			451
	Grand total.....	2,681,762	176,934	209,678	3,068,374

¹ The act of June 28, 1934 (48 Stat. 1269, 43 U.S.C. 315), as amended.

TABLE 129.—*Allocations to counties from revested Oregon and California and reconveyed Coos Bay Wagon Road land-grant funds, June 8, 1916 to June 30, 1960*

	1916-1958 ¹	1959	1960	Total
O&C funds				
Oregon:				
Benton.....	\$3,054,648	\$417,763	\$460,118	\$3,932,529
Clackamas.....	5,367,016	841,430	926,739	7,135,185
Columbia.....	1,642,019	231,762	255,260	2,129,041
Coos.....	5,853,817	868,001	956,004	7,677,822
Curry.....	1,825,691	445,810	491,009	2,762,510
Douglas.....	24,280,829	3,706,720	4,082,529	32,070,078
Jackson.....	15,784,012	2,314,670	2,549,345	20,648,027
Josephine.....	9,610,631	1,774,384	1,954,281	13,339,296
Klamath.....	2,032,988	352,810	388,580	2,774,378
Lane.....	14,785,052	2,277,765	2,508,699	19,571,516
Lincoln.....	407,478	53,143	58,531	519,152
Linn.....	2,822,751	392,677	432,478	3,647,896
Marion.....	1,532,306	218,476	240,627	1,991,409
Multnomah.....	1,288,483	258,334	284,525	1,831,342
Polk.....	2,364,461	321,810	354,437	3,040,708
Tillamook.....	620,586	84,143	92,674	797,403
Washington.....	679,218	95,952	105,681	880,851
Yamhill.....	762,769	106,286	117,062	986,117
Total Oregon.....	94,714,755	14,761,926	16,258,579	125,735,260
Washington:				
Clark.....	3,765	-----	-----	3,765
Total from O&C funds.....	94,718,520	14,761,926	16,258,579	125,739,025
Coos Bay funds				
Oregon:				
Coos.....	1,371,862	55,374	-----	1,427,236
Douglas.....	151,096	32,192	-----	183,288
Total from Coos Bay funds.....	1,522,958	87,566	-----	1,610,524
Grand total.....	96,241,478	14,849,492	16,258,579	127,349,549

¹ Excludes \$1,571,044 paid to counties during 1913-1915.

NOTE.—Allocations made under authority of the Acts June 9, 1916 (39 Stat. 218), Feb. 26, 1919 (40 Stat. 1179), July 13, 1926 (44 Stat. 915), Aug. 28, 1937 (50 Stat. 874), and May 24, 1939 (53 Stat. 753).

TABLE 130.—*Amounts credited to the reclamation fund from public land sales, 1901 to 1960*

Area	State	Fiscal year			Total
		1901-1958	1959	1960	
1	California.....	\$13,141,512	\$1,565,482	\$1,818,585	\$16,525,579
	Oregon.....	17,229,699	1,329,747	1,009,298	19,568,744
	Washington.....	9,450,501	279,650	338,945	10,069,096
	Total Area 1.....	39,821,712	3,174,879	3,166,828	46,163,419
2	Arizona.....	4,118,192	802,687	1,316,490	6,237,369
	Idaho.....	9,090,206	336,260	302,260	9,728,726
	Nevada.....	2,578,643	651,988	755,189	3,985,820
	Utah.....	5,086,657	111,338	83,054	5,281,049
	Total Area 2.....	20,873,698	1,902,273	2,456,993	25,232,964
3	Colorado.....	11,766,113	276,219	674,943	12,717,275
	Kansas.....	1,046,027	-----	-----	1,046,027
	Montana.....	16,691,246	146,500	181,687	17,019,433
	Nebraska.....	2,222,656	1,862	-----	2,224,518
	New Mexico.....	7,699,262	262,806	206,849	8,168,917
	North Dakota.....	12,268,627	3,649	6,835	12,279,111
	Oklahoma.....	5,992,196	63,985	10,207	6,066,388
	South Dakota.....	7,895,132	7,618	6,196	7,908,946
	Wyoming.....	9,690,560	98,614	173,031	9,962,205
	Total Area 3.....	75,271,819	861,253	1,259,748	77,392,820
	Grand total.....	135,967,229	5,938,405	6,883,569	148,789,203

NOTE.—The act of June 17, 1902 (32 Stat. 338), required payments from receipts beginning with those earned during fiscal year 1901.

TABLE 131.—*Total number of paid employees, Oct. 31, 1959*

Type and position titles	Number	Type and position titles	Number
Managerial:		Professional and subprofessional—Con.	
Director, Associate Director, Assistant Directors.....	4	Engineers (civil, construction, electronic, mining, valuation).....	67
Area administrators.....	4	Engineering technicians and engineering aids.....	23
State supervisors (and operations supervisors, Alaska).....	15	Construction and maintenance superintendents.....	11
Deputy State supervisor.....	1	Other specialists.....	22
Assistants to managerial officers.....	5		
Total managerial.....	29	Total professional and subprofessional.....	1,658
Professional and subprofessional:		Administrative and clerical:	
Principal technical staff officers.....	6	Principal staff officers, Division of Staff Services.....	5
Lands and minerals officers.....	24	Principal staff officers, Division of Operations.....	4
Land office managers.....	17	Administrative officers.....	16
Land examiners, appraisers and assessors.....	57	Administrative assistants.....	39
Hearing examiners.....	9	Management analysts.....	9
Legal assistants, adjudicators, land law examiners, and land law clerks.....	293	Program analysts and program coordination officers.....	8
Records program officers.....	5	Budget and accounting.....	106
Agricultural economists.....	11	Personnel.....	28
Agricultural engineers.....	27	Procurement and supply.....	36
Range managers and conservationists.....	300	Secretaries, stenographers, typists, and other clerical.....	649
Range aids.....	43		
Foresters.....	369	Total administrative and clerical.....	900
Forestry aids.....	37		
Cadastral surveyors.....	86	Ungraded: Wage board.....	165
Cartographers.....	14		
Cartographic and engineering draftsmen.....	58	Grand total.....	2,752
Cartographic survey aids.....	170		
Geologists.....	9		

Source: Occupational Distribution Report and SF-113 Monthly Report of Federal Civilian Employment.

TABLE 132.—*Average permanent and seasonal employment, calendar year 1959*

Area or office	Permanent		Seasonal		Total permanent and seasonal
	Average number	Percent of total	Average number	Percent of total	
1-----	706	86.6	109	13.4	815
2-----	529	76.7	160	23.3	689
3-----	567	91.3	54	8.7	621
4-----	260	84.4	48	15.6	308
Washington Office and Eastern States Office-----	328	95.3	16	4.7	344
Total-----	2,390	86.1	387	13.9	2,777

NOTE.—A seasonal employee is an employee who is appointed for a period of 180 working days or less, or for whom it is intended that he will be on active duty status for a period of 180 days or less during a given year. A permanent employee is any other paid employee.

TABLE 133.—*Percent of employees in career and career-conditional service, calendar year 1959*

Area or office	Average total permanent and seasonal	Career	Career-conditional	Total percent in career and career-conditional
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1-----	815	53.6	29.8	83.4
2-----	689	53.4	21.1	74.5
3-----	621	62.3	27.3	89.6
4-----	308	37.6	34.7	72.3
Washington Office and Eastern States Office-----	344	71.8	21.8	93.6
Total-----	2,777	55.9	26.3	82.2

Source: SF-113, Monthly Report of Federal Civilian Employment.

TABLE 134.—*Geographic distribution of employment as of Dec. 31, 1959*

Area	State, office or district	Classification Act	Wage board	Other	Total
1	Oregon.....	523	41		564
	California.....	200	1		201
	Washington.....	41			41
	Total Area 1.....	764	42		806
2	Utah.....	260	36	10	306
	Idaho.....	104	15	1	120
	Nevada.....	114	19	6	139
	Arizona.....	85			85
	Total Area 2.....	563	70	17	650
3	Colorado.....	225	6	4	235
	Montana.....	111			111
	New Mexico.....	120		3	123
	Wyoming.....	111	4	1	116
	Total Area 3.....	567	10	8	585
4	Alaska.....	317	11		328
	Washington Office and Eastern States Office: District of Columbia.....	236			236
	Eastern States Office: Louisiana.....	4			4
	Minnesota.....	3			3
	Total Eastern States Office.....	7			7
	Grand total.....	2,504	133	25	2,662

Source: Geographic survey of Federal Civilian Employment, Dec. 31, 1959, and SF-113, Monthly Report of Federal Civilian Employment.

TABLE 135.—*Voluntary quits, calendar year 1959*

Month	Area 1			Area 2			Area 3			Area 4			Washington Office and Eastern States Office		
	Permanent	Seasonal	Total	Permanent	Seasonal	Total	Permanent	Seasonal	Total	Permanent	Seasonal	Total	Permanent	Seasonal	Total
January.....	5	1	6	4		4	4	1	5	2	1	3	2		2
February.....	4		4	3		3	2	1	3	3	4	7	5		5
March.....	1	1	2	3		3	2		2	3		3	1		1
April.....	3	2	5	3	5	8		1	1	4		4	1		1
May.....	3	1	4	6	4	10	1	1	2	17		17	2		2
June.....	3	7	10	9	12	21	4	4	8	9	3	12	2	2	4
July.....	6	12	18	4	8	12	4	1	5	9	5	14	4	1	5
August.....	3	13	16	5	24	29	10	4	14	5	6	11	1	6	7
September.....	8	97	105	3	87	90	10	6	16	6	10	16	8	18	26
October.....	4	12	16	1	14	15	5	2	7	13		13	3	1	4
November.....	6	5	11	3	3	6	1	1	2	7	2	9			
December.....	7	3	10	1	12	13	2	1	3	6	4	10	1		1
Total.....	53	154	207	45	169	214	45	23	68	84	35	119	30	28	58

TABLE 136.—*Voluntary quit rate, calendar year 1959*

Area or office	Average total permanent and seasonal employees	Total voluntary quits			Voluntary quit rate		
		Permanent	Seasonal	Total	Permanent	Seasonal	Total
					<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1.....	815	53	154	207	6.5	18.8	25.3
2.....	689	45	169	214	6.5	24.5	31.0
3.....	621	45	23	68	7.2	3.7	10.9
4.....	308	84	35	119	27.2	11.4	38.6
Washington Office and Eastern States Office.....	344	30	28	58	8.7	8.1	16.8
Total.....	2,777	257	409	666	9.2	14.7	23.9

Source: SF-113, Monthly Report of Federal Civilian Employment.

NOTE.—A seasonal employee is an employee who is appointed for a period of 180 working days or less. It is intended that he will be on active duty status for a period of 180 days or less during a given year. A permanent employee is any other paid employee.

TABLE 137.—*Accessions and separations rate, calendar year 1959*

Area or office	Average total paid employees	Accessions		Separations	
		Total	Rate	Total	Rate
	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
1.....	815	488	59.8	403	49.4
2.....	689	488	70.8	463	67.1
3.....	621	252	40.5	240	38.6
4.....	308	355	115.2	300	97.4
Washington Office and Eastern States Office.....	344	107	31.1	94	27.3
Total.....	2,777	1,690	60.8	1,500	54.0

Source: SF-113, Monthly Report of Federal Civilian Employment.

TABLE 138.—*Number of employee injuries, calendar years 1957, 1958, and 1959*

Area or office	Total injuries			Disabling injuries only		
	1957	1958	1959	1957	1958	1959
1.....	209	154	148	55	33	25
2.....	62	72	85	16	21	25
3.....	53	64	48	19	19	16
4.....	64	92	88	31	15	22
Washington Office and Eastern States Office.....	5	4	12	2	2	2
Total.....	393	386	381	123	90	90

TABLE 139.—*Number of employee injuries by major occupational groups, calendar years 1958 and 1959*

Occupational group	Total injuries		Disabling injuries only	
	1958	1959	1958	1959
Surveying.....	100	78	24	22
Forestry.....	72	70	14	13
Fire fighting.....	98	87	15	26
Total.....	270	235	53	61
Percent of Bureau total.....	69.8	61.7	58.9	67.8

TABLE 140.—*Estimated accident cost, calendar year 1959*

Type of loss	Area 1	Area 2	Area 3	Area 4	Washington and Eastern States Office	Total
Nondisabling injuries.....	\$1,107	\$540	\$288	\$594	\$90	\$2,619
Disabling injuries.....	7,425	7,128	4,752	6,534	594	26,433
Fatalities.....		41,185				41,185
Structural fires.....		584		30,050		30,634
Tort claims.....	195	850				1,045
Motor vehicle accidents.....	8,090	7,970	3,695	3,601		23,356
Property damage.....		63				63
Total.....	16,817	58,320	8,735	40,779	684	125,335

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